

ISIAH M. WARNER**PERSONAL**

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EDUCATION

Ph.D., Analytical Chemistry (3.94/4.00), University of Washington, 1977
Non Degree Course Work, Joint Center for Graduate Study, Richland, WA, 1969-73
B.S., Chemistry (Scholar, Cum Laude), Southern University, 1968
Valedictorian, Carver High School, Bunkie, LA, 1964

PROFESSIONAL APPOINTMENTS*(Academic)*

2002-present Howard Hughes Medical Institute Professor, Louisiana State University.
2001-present Vice Chancellor for Strategic Initiatives, Louisiana State University
2000-present Boyd Professor of LSU System, Department of Chemistry, Louisiana State University
1992-present Philip W. West Professor of Chemistry, Department of Chemistry, Louisiana State University
1994 -1997 Chair, Department of Chemistry, Louisiana State University
1987-1992 Samuel Candler Dobbs Professor of Analytical Chemistry, Emory University
1986 Professor, Emory University, Chemistry Department
1982-86 Associate Professor, Emory University, Chemistry Department
1977-82 Assistant Professor, Texas A&M University, Chemistry Department
Granted tenure and promoted to Associate Professor January 1982, effective September 1, 1982
1975-77 Research Assistant, University of Washington, Chemistry Department
1975 Summer Fellow, ACS/Division of Analytical Chemistry
1973-75 Teaching Assistant, University of Washington, Chemistry Department

(Non Academic)

1988-89 Program Officer for Analytical & Surface Chemistry, National Science Foundation
1968-73 Research Chemist, Battelle Northwest, Richland, WA
1967 Cooperative Student, Tennessee Valley Authority

ACADEMICALLY RELATED ADMINISTRATION**Vice Chancellor, Strategic Initiatives, Louisiana State University (2001-present)**

- As of April 2001, I am Vice Chancellor for Strategic Initiatives. This is a half-time nine-month appointment administrative position that requires significant interactions with undergraduate students. The overall goal of this office is to develop and coordinate activities that result in improvements in the mentoring of students, faculty, and staff in order to achieve excellence at the highest levels. One of the major charges of this position is to create the kind of environment across campus that we have created in our graduate program in chemistry, i.e. an environment where all students (particularly minority students) can excel in the Science, Technology, Engineering, and Math (STEM) areas. As a note, our graduate program in chemistry is the nation's largest producer of African American Ph.D.s in chemistry. Data from NSF indicates that LSU produced eight of the national production of forty-four African American Ph.D.s in chemistry during the year 2001. Another charge of OSI is to foster an environment where our best undergraduates are highly competitive for major scholarships such as Goldwater, Marshall, and Rhodes. Still another charge is to assist our most outstanding faculty in the nomination and receipt of major external awards.

Chair, Department of Chemistry, Louisiana State University (1994-97)

- I served as Chair of the Department of Chemistry for three years. During this period, I was able to stimulate and maintain a spirit of enthusiasm and support for the common goals of the department. I began with a faculty retreat where we conducted an appraisal of our national standing as a department, identified problems and established short and long-range goals. As a result, we got off to a quick start and our energies were focused on solving important problems or obtaining significant goals. Examples of problem solving include 1) reorganization of the departmental office to support the needs of faculty and support the duties of the Chair and 2) restructuring faculty meetings such that they were well attended and routinely completed in one hour or less. Other departmental accomplishments include more effective faculty recruitment, more effective graduate student recruitment and increased sponsored research funding in support of faculty research and

graduate education. With the support of a federal judge, the original donor, and university administration, we were able to move an endowed chair to chemistry and we filled that position with a nationally recognized scholar. We added three young faculty, with outstanding potential as researchers and teachers, during this three year period. When I first came here, our graduate student population was close to 50% foreign students. Through my efforts as a faculty member and as Chair, we implemented procedures for more active recruitment of domestic students such that this fraction was reduced to about 30%. Although there is still room for improvement, we continue to maintain a strong graduate student enrollment in the face of strong competition from other nationally recognized institutions. For example, our graduate enrollment and number of teaching assistantships increased during my term as Chair. I was also able to significantly increase the number of chemical and pharmaceutical companies that visited LSU and actively recruited our students in chemistry. In addition, I was able to obtain substantial donations from many of these companies for the recruitment and retention of outstanding graduate students. As part of this effort, I implemented and enforced a new rule that the department only guarantees support for one graduate student per research group. This encourages faculty to seek external funding rather than rely on the department for support of individual research programs.

During my three years as Chair, we had a strong focus on improving our undergraduate teaching. The Dean of our college established an innovative program with endowments in support of outstanding undergraduate teachers in the college. Two of our regular faculty were among the first recipients of these endowments. During my tenure as Chair, we also implemented a better interview forum for evaluating the teaching credentials of faculty hires. This included research active faculty, as well as lecturers who were hired strictly in teaching positions. It should be noted that, as Chair, I did not hesitate to pull someone out of the classroom who was not doing an effective job at teaching.

Endowed Chairs, Departments of Chemistry, Emory University and Louisiana State University (1987-present)

- Philip W. West Professor of Chemistry, Department of Chemistry, Louisiana State University (1992-present). I have held this position since my arrival at LSU. My research group has typically numbered close to twenty including myself: one-three Post Docs, a secretary, nine-eleven graduate students, and three-five undergraduates. Obviously, excellent organization and management skills are required to successfully manage a research group this large.

- Samuel Candler Dobbs Professor of Analytical Chemistry, Emory University (1987-1992). This position was similar in structure to the West Chair with a smaller endowment. Funding was comparable to my current program at LSU. However, the size of my group was somewhat less since I rarely operated with more than one Post Doc. Therefore, required organizational and management skills were comparable to LSU.

Other Professorships

- Boyd Professor (2001-present). The Boyd Professorship is the highest honor that the LSU system bestows on its faculty. A faculty member must have spent a significant number of years before he/she can even be nominated for such an honor. The nomination process is extensive and may require several years and more than one hundred support letters before receipt of this honor. A faculty member so honored is a Boyd Professor of the LSU system and not just the particular unit/campus on which he/she resides.

- Howard Hughes Medical Institute Professor (2002-Present). The Howard Hughes Medical Institute (HHMI) instituted a new program which enlisted established researchers to devote the same intensity, that they have devoted for years at standard research, into educational research. HHMI requested that more than 180 institutions nominate up to two professors for this special honor. Twenty such professors were selected in 2002 from across the nation to receive this honor and one million dollars to devote toward educational research. I was pleased to be one of the initial twenty professors to receive this very special honor.

Program Officer for Analytical & Surface Chemistry (ASC), National Science Foundation (1988-89)

- This position involved a one-year leave from Emory University. As Program Officer for ASC at NSF, I was responsible for evaluation and funding decisions on proposals primarily from individual investigators at academic institutions. I handled well over 200 proposals for evaluation in my program during that year. Evaluations and decisions in a timely fashion were desirable, i.e. less than 6 months after receipt of the proposal. The budget for ASC was comparable to that of a small company (~\$12,000,000). In addition to funding decisions, I had to maintain accounting such that we did not exceed budget.

Chair of Select External / National / International Committees

- Chair of the "Chancellor's Mentoring Symposium", LSU, Baton Rouge, LA. February 13-14, 2003.
- Chair of conference, "U.S./Africa Materials Workshop", Pretoria, South Africa, August 6-9, 2000, sponsored by the National Science Foundation and the National Research Foundation and supported by the scientific agencies of the participating countries.
- Chair of conference on "Mentoring for the 21st Century", LSU, Baton Rouge, LA 70803, October 30-31, 1998.

- Co-chair (with Linda McGown of Duke University) of 1998 FACSS Meeting, Austin, Texas, October 11-15, 1998.
- Chair of RCMI External Advisory Committee, Southern University, Baton Rouge, LA 1998-present.
- Chair of the Panel for Evaluation of Chemical Science and Technology (NIST Committee), 1995.
- Chair of External Review Committee, Division of Analytical Chemistry, Oak Ridge National Laboratory, 1993
- Chair of 1992 Gordon Conference on Analytical Chemistry, August, 1992.
- Chair of RCMI External Advisory Committee, Clark Atlanta University, Atlanta, GA, September 28-29, 1992-present.
- Chair of National Funding Committee for the 1991 FACSS Conference in Anaheim, California.
- Co Chair (with John Hall of Atlanta University) of 1986 NOBCCChE Conference in Atlanta, Georgia, April 22-25, 1986.

Member in Select External / National Committees

- Editorial Advisory Board of Analytical Chemistry, 1999-2001.
- Advisory Committee for NIGMS of NIH, 1999-2002.
- American Chemical Society Committee on Committees, 1998-2002. This committee is the major committee within the structure of the American Chemical Society. This committee nominates society members for membership on other committees. This requires familiarity with many members within the society.
- National Academies, Board on Chemical Sciences and Technology, Chemical Sciences Roundtable, 1997-01.
- National Science Foundation Mathematical & Physical Sciences Advisory Committee, 1996-99
- Member of BMT Study Section of National Institutes of Health, 1994-98. This study section evaluates the most diverse group of proposals within NIH. Therefore, a broad background in interdisciplinary research is required.
- Committee for Preparation of the Graduate Record Examination in Chemistry, 1994-.
- Member of Panel for Evaluation of Chemical Science and Technology (NIST Committee), 1992-1995. This was a reappointment to the NBS (now called NIST) Advisory Panel.
- Program Committee for Organization of the Sixth International Symposium on Cyclodextrins, Chicago, April 21-24, 1992.
- Member of the Pharmacological Sciences Review Committee (PSRC) of the National Institute of General Medical Sciences, 1990-95. As a member of PSRC, I was involved in the evaluation of Training Grants relevant to the pharmacological sciences. In this capacity, many institutions were site visited as a part of the final evaluation. In addition, I was on the committee when the training grants at the interface of biology and chemistry were first implemented. Therefore, I was part of the initial group that helped to define this new type of training grant.
- ACS Task Force for Monitoring Analytical Chemistry, Washington, D.C., November 10, 1989. This panel was established to evaluate the premier journal in my field.
- National Academy of Science Advisory Panel for Center for Analytical Chemistry at the National Bureau of Standards, 1983-86. This panel evaluated the very diverse programs for NBS and advised the program on possible future directions in research.

Chair and Member of University Committees

- Member, Provost Selection Committee (2002-2003)
- Member, Chancellor Selection Committee (1998-1999)
- Chair, Associate Vice-Chancellor for Campus Diversity Search Committee (1997-98)
- Co-Chair, Chemistry Department Enhancement Committee (1991-1992)
- Principal Investigator/Organizer/Coordinator for departmental (Emory University) Molecular Spectroscopy Instrumentation Proposal to NIH (funded 1989 at \$309,000)
- Chair of Department Analytical Faculty Search Committee (1986/87)
- Patent and Copyright Committee (1985-88)
- Organizer/coordinator for departmental VAX computer proposal to NIH (funded 1985 at \$297,000)
- College Budget and Planning Committee (1984-86)
- Chair of Department Instrumentation Committee (1984-88)

TEACHING EXPERIENCE (Undergraduate)

| | |
|-----------------|---|
| Fall 02, 03 | Analytical Chemistry, Louisiana State University (2 semester hours) |
| Spr 00, 01 | Analytical Chemistry, Louisiana State University (2 semester hours) |
| Spr 99 | Environmental Chemistry Lecture, Louisiana State University (2 semester hours) |
| Fall 95, 97 | Analytical Chemistry, Louisiana State University (2 semester hours) |
| Fall 93, Spr 94 | Honors Freshman Chemistry, Louisiana State University (3 semester hours) |
| 1987, 88 | GTE Summer Scholars Program, Emory University (two week intensive course for select minority high school juniors) |
| 1985/1983 | Honors Freshman Chemistry, Emory University (4 semester hours) |

1984-88 Instrumental Analysis, Emory University (4 semester hours)
 1977-78, 82 Quantitative Analysis Lab, Texas A&M University (1 semester hour)
 1977-79 Quantitative Analysis Lecture, Texas A&M University (2 semester hours)

TEACHING EXPERIENCE (Graduate)

Fall 01 Studies in Organized Media
 Spr 99 Fluorescence Spectroscopy, Louisiana State University (2 semester hours)
 Spr 98, Fall 94, Molecular Analysis, Louisiana State University (2 semester hours)
 Fall 95, 99
 Spr 94, 98, 00 Separation Science, Louisiana State University (2-3 semester hours)
 Fall 96, 97 Characterization of Organic Compounds, Louisiana State University (2-3) semester hours)
 Spr 96 Special Topics in Analytical Chemistry, Louisiana State University (3 semester hours)
 Fall 94 Molecular Analysis, Louisiana State University (3 semester hours)
 1984 88/91 Instrumental Analysis, Emory University (4 semester hours)
 1984/86/90 Photoluminescence Techniques in Analytical Chemistry, Emory University (4 sem. hrs.)
 1983&85 90/92 Chemical Analysis, Emory University (4 semester hours)
 1983-88 Analytical Seminar, Emory University (1 semester hour)
 1980-82 Analytical Seminar, Texas A&M University (1 semester hour)
 1979-81 Photoluminescence Techniques in Analytical Chemistry (Theory, Instrumentation and Application), Texas A&M University (3 semester hours)
 1978-81 Analytical Chemistry I (Complex Equil., Titrations, Kinetics, Statistics, etc.), Texas A&M University (sem. hrs.)
 1977 Recent Advances in Fluorescence Spectroscopy, Texas A&M University (2 semester hours)
 1974-75 Advanced Instrumental Laboratory, University of Washington (3 quarter hours)

ACTIVITIES (University)

EMORY UNIVERSITY

- Member, Committee on the Environment (1991-1994)
- Freshman Seminar Advisor (1991-1992)
- University Twenty-First Century Committee (1991-1992)
- Member, Chemistry Department Graduate Recruiting Committee (1991-1992)
- Member, Chemistry Department Long Range Planning Committee (1991-1992)
- Co-Chair, Chemistry Department Enhancement Committee (1991-1992)
- University Research Committee (1988)
- Woodruff Scholars Selection Committee (1983-88/90-92)
- Principal Investigator/Organizer/Coordinator for departmental Molecular Spectroscopy Instrumentation Proposal to NIH (funded 1989 at \$309,000)
- Department Instrumentation Committee (Chairman) (1984-88)
- Patent and Copyright Committee (1985-88)
- Selection Committee for the Marion Luther Brittain Award for (1986/87, 1987/88)
- GTE FOCUS Program & Development & Implementation Committee (1987)
- College Affirmative Action Committee (1986/87)
- Luce Professorship Committee (1986/87)
- Chairman & Member, Department Analytical Faculty Search Committee (1986/87)
- Affirmative Action Committee (1983/84/87)
- Academic Standards Committee (1983 87)
- President's Commission on the Status of Minorities (1983-87)
- Undergraduate curriculum advisor to eight undergraduates, 1985/86
- College Budget and Planning Committee (1984 86)
- Search Committee for Dean of the Graduate School (1985)
- Organizer/coordinator for departmental VAX computer proposal to NIH (funded 1985 at \$297,000)
- Search Committee for University Research Director (1984/85)
- Campus Life Faculty Mentor's Program (1983-85)
- Search Committee for Associate Dean of the Graduate School (1984)
- University Tenure Appeal Committees (two) (1983)
- Geology Faculty Search Committee (1982/83)

LOUISIANA STATE UNIVERSITY

- Member, Executive Vice Chancellor Search Committee (2002)
- Member, Chancellor Search Committee (1998-99)
- Chair, Associate Vice-Chancellor for Campus Diversity Search Committee (1997-98)
- Member, Vice-Chancellor for Research and Graduate Studies Search Committee (1997-98)
- EOP Advisory Committee (1997-1999)
- Chemistry Graduate Recruiting Committee (1992-present)
- NCAA Investigation Committee (1998)
- Taylor Chair Search Committee (1997-98)
- Chemistry Department Business Manager Search Committee (1997)
- Physics & Astronomy Chair Search Committee (1996-1997)
- Executive Vice-Chancellor and Provost Search Committee (1996-97)
- Dean's Faculty Advising Committee (1997-1999)
- Faculty Advisor to Graduate Chapter of NOBCCChE (1996-present)
- Faculty Advisor to "Minority Science Pre-professional Society" (1993-2000)
- Advisory Committee to Dean on Tenure and Promotion (1992)

ACTIVITIES (Professional)

- Member, Executive Board, National Organization for the Professional Advancement of Black Chemist and Chemical Engineers (NOBCCChE), 2004-present
- Member, American Chemical Society, National Historic Chemical Landmarks Committee, 2004-present
- Participant, Blue Ribbon Panel, Building, Engineering & Science Talent (BEST), 2001-2002
- National Institute of General Medical Sciences Advisory Council of the National Institutes of Health, 1999-2002
- ACS Committee on Committees, 1998-2000.
- Representative for the Council on Undergraduate Research, 1998
- Co-chair (with Linda McGown of Duke University) of 1998 FACSS Meeting, Austin, Texas, October 11-15, 1998.
- Wrote and reviewed test questions for the Graduate Record Examination in Chemistry, 1994-1997.
- ACS Joint Board-Council Committee on Minority Affairs, 1995-97.
- ACS Committee on Nominations & Elections, 1996, 1997.
- National Science Foundation MPS Advisory Committee, 1996-99
- National Research Council, Board on Chemical Sciences and Technology, Chemical Sciences Roundtable, 1997-01.
- Member of BMT Study Section of National Institutes of Health, 1994-98.
- ACS Council Committee on Public Relations, 1997-99
- Vision 2020 Chemical Measurements Committee, 1996-
- ACS Minority Task Force, 1996-98.
- Member of the Review Panel for the Presidential Faculty Fellows (PFF) Awards for the National Science Foundation, 1996.
- Chair of the Panel for Chemical Science and Technology (NIST Committee), 1995.
- Member of the New York Academy of Sciences, 1995-present.
- Reviewer of the NSF Academic Research Infrastructure (ARI) Program, 1993 and 1994.
- Councilor, Division of Analytical Chemistry, American Chemical Society, 1992-2002
- Chair of the 1992 Gordon Conference on Analytical Chemistry.
- Vice-Chair of the 1991 Gordon Conference on Analytical Chemistry.
- Book reviewer for the, *Journal of the American Chemical Society*, of "Chemical Analysis: A Series of Monographs on Analytical Chemistry and its Applications, Vol. 109. Fluorometric Analysis in Biomedical Chemistry: Trends and Techniques Including HPLC Applications"; by N. Ichinose, G. Schwedt, F. M. Schnepel and K. Adachi. Edited by J. D. Winefordner and I.M. Kolthoff; John Wiley & Sons, Inc.: New York, 1991, 225 pp.
- National Funding Chairman for the 1991 FACSS Conference in Anaheim, California.
- Member of the Program Committee for the Sixth International Symposium on Cyclodextrins held in Chicago, April 21-24, 1992.
- Member of the Pharmacological Sciences Review Committee of the National Institute of General Medical Sciences, 1990-95.
- Proposal reviewer for the National Science Foundation, National Institutes of Health, Petroleum Research Fund, Research Corporation, Department of Energy and National Research Council, 1979-present.
- Member of the ACS Task Force for Monitoring Analytical Chemistry, Washington, D.C., November 10, 1989.
- Member of American Chemical Society, Division of Analytical Chemistry, I.M. Kolthoff Enrichment Award Selection Committee, 1989.
- Member of the Ford Foundation Doctoral Fellowships for Minorities Selection Committee, 1987-89.

- Member of the ACS Division of Analytical Chemistry Instrumentation Award Selection Committee, 1986-89.
- Organizer of Teaching Award Symposium for Gary D. Christian, Los Angeles ACS meeting, September 28-29, 1988.
- Wrote and reviewed test questions for the Graduate Record Examination in Chemistry, 1987, 1988 and 1989.
- Member of Publications Committee, Society for Applied Spectroscopy, 1988.
- Education Committee, Division of Analytical Chemistry, American Chemical Society, 1988.
- Organizer of Analytical Symposium, 15th Annual National Conference of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, Philadelphia, PA, April 4-8, 1988.
- Analytical Chemistry Sub-Committee for Construction of the Analytical Chemistry 1988 Examination.
- Session Chairman for Molecular Luminescence & Nuclear Magnetic Resonance I at the XXV Colloquium spectroscopicum Internationale in Toronto, Canada, June 21-26, 1987.
- Chairman-elect of the Publications Committee for the Society for Applied Spectroscopy for the year 1987, leading to a term as chairman in 1988.
- Co-organizer for 1986 NOBCCHE Conference in Atlanta, Georgia, April 22-25, 1986.
- Coordinator for 1986 FACSS Meeting, Multidimensional Fluorescence Symposium, held at St. Louis, Missouri, Oct. 1, 1986.
- Member of the National Academy of Science Advisory Panel for the Center for Analytical Chemistry at the National Bureau of Standards, 1983-86.
- Member of American Chemical Society, Division of Analytical Chemistry, Award for Excellence in Teaching Selection Committee, 1983/84; 1985/86.
- Member-at-Large of Sigma Xi Executive Committee, 1983/84; Secretary, 1984/85 and 1985/86.
- Book reviewer for the journal, *Trends in Analytical Chemistry of Analytical Chemistry of Polycyclic Aromatic Compounds*, M.L. Lee, M.V. Novotny and K.D. Bartle, 1983.
- Session Chairman for General Analytical Chemistry at the 182nd National Meeting of the American Chemical Society, New York, August 23-28, 1981.
- Book reviewer for the journal, *American Scientist*, of the Second Edition of Skoog and West's, *Principles of Instrumental Analysis*, 1981.
- Session Chairman for General Spectroscopy (Analytical Division) at the Second Chemical Congress of the North American Continent in Las Vegas, Nevada, August 24-29, 1980.

CONSULTANTS

2003

- Consultant and Site reviewer for the Department of Chemistry, University of New Mexico, Albuquerque, New Mexico, February 23-26, 2003.

2002

- Consultant and Site reviewer for the Environmental Program of the Department of Chemistry, Spelman College, Atlanta, GA, February 25-26, 2002.

2001

- BASF Corporation: Consultant on Capillary Electrophoresis Separations, 2001-Present

1999

- Research Infrastructure in Minority Institutions (RIMI) Program, January 15, 1999

1997

- Ciba Specialty Chemicals Corporation, (ORD) Study, February 14, 1997-January 1, 1998
- Consultant and site reviewer for the Environmental Program of the Department of Chemistry, Spelman College, Atlanta, GA, April 25 - May 13, 1997.
- Member of the External Review Committee for the Department of Chemistry, at Ohio University, Athens, OH, March 13-14, 1997.
- Member of the External Review Committee for the Department of Chemistry, at Georgia State University, Atlanta, GA, February 24-25, 1997.
- Consultant and site reviewer for the Environmental Program of the Department of Chemistry, Spelman College, Atlanta, GA, April 25-May 13, 1997.

1995

- Consultant to Unglesby and Koch Law Firm, 1995-1997, Provided Expert Testimony, re: Combustion, Inc. Hazardous Substances Cleanup Litigation.

1993

- Consultant and Advisor to Ethyl Corporation, Baton Rouge, LA, 1993.

92-present

- Member of the RCMI External Advisory Committee, at Clark Atlanta University, Atlanta, GA, September 28-29, 1992-present.

1990

- Consultant to Outside Review Committee's Report on the Department of Chemistry, Emory University.
- Member of the Pharmacological Sciences Review Committee of the National Institute of General Medical Sciences, 1990-95.
- Member of the External Review Committee for the Analytical Chemistry Division at Oak Ridge National Laboratory, 1990-93.

1988

- Consultant and Advisor to Eli Lilly Research Corp., Indianapolis, Indiana, 1988-89.

1987

- Consultant for Law Environmental Associates on environmental impact of pollutants at Creosote preserving sites, 1987.

1984

- Advisor and Consultant to Packard Instruments on new developments in analytical chemistry, 1984/85 (2 days/year).
- Consultant for Coca-Cola Company on "Process Analytical Chemistry" (1984) and "Orange Juice Adulteration" (1984/85).

1983

- Consultant to the Department of Pharmacy, Florida A&M University, Tallahassee, Florida, 1983 88.
- Advisor and consultant to Perkins Elmer Corporation on Fluorescence Instrumentation, 1983 88 (4 days/year).
- Consultant to the National Science Foundation, January 6-7, 1983.

1980

- Consultant and site reviewer for the National Institutes of Health, 1980-present.

1979

- Consultant and advisor to Naval Ocean Systems (San Diego) on the application of optical multi-channel analysis related the marine environment, 1979/80.
- Consultant and advisor to Department of Energy (Bartlesville) on the application of video fluorometry to the analysis of diesel exhaust, 1979/80.

1978

- Consultant and advisor to Abbott's Laboratory (Diagnostic Division) on the application of optical multi-channel analysis related to clinical chemistry, 1978/79.

PROFESSIONAL BOARDS

- Editorial Advisory Board of Analytical Chemistry, 1999-2001.
- National Advisory General Medical Sciences Council Board of the National Institute of Health, 1999-2002.
- Editorial Board for the Journal of the Kenya Chemical Society, 1998-2000.
- Editorial Board for Applied Spectroscopy, 1997- 2000.
- Editorial Review Board for the Journal of Fluorescence, 1997-2001.
- Editorial Board of Microchemical Journal, 1991-2001.
- Editorial Advisory Board of TALANTA, 1990-2001.
- Section Editor for "Electronic Absorption and Luminescence Spectrometry," Encyclopedia of Analytical Chemistry, Editor-in-Chief, Robert A. Meyers, 1997-present
- Meyerhoff National Advisory Board, University of Maryland, Baltimore County, 1997-present.
- Editorial Board for book entitled "Human Resources for Science," John Hopkins University Press.
- Editorial Review Board for "Blacks, Science, and American Education," Willie Pearson, Jr., and H. Kenneth Bechtel, Editors, Rutgers University Press, New Brunswick, New Jersey, 1989.

HONORS

Research

- 2004 University of Washington, College of Arts & Sciences, Distinguished Alumnus Award, May 20, 2004
- 2003 Elected to the status of Fellow, by the American Association for the Advancement of Science (AAAS) Council. Recognized at an award ceremony on February 15, 2003, Denver, Colorado
- 2003 Sigma Xi's College of Distinguished Lecturers, 2003-2004
- 2002 Named Howard Hughes Medical Institute Professor, Louisiana State University.
- 2002 Listed in America's Registry of Outstanding Professionals
- 2002 Listed in Empire Who's Who

2001 Boyd Professorship, Louisiana State University
 2001 Science, Mathematics, Engineering and Technology Hall of Fame Inductee, Southern University, Baton Rouge, LA
 2001 Lloyd Ferguson lecturer, Cal State, Los Angeles, CA
 2000 LSU Distinguished Faculty Award
 2000 Eastern Analytical Symposium Award for Achievements in the Fields of Analytical Sciences
 2000 Listed in 18th Edition of Who's Who in the World
 1998 Fulbright Fellowship for Research/Teaching in Kenya
 1996 Southern University award for the "Most Outstanding Graduate from the Southern University Department of Chemistry"
 1995 International Who's Who of Professionals
 1995 National Association for Equal Opportunity in Higher Education (NAFEO) "Distinguished Alumni Award"
 1994 American Microchemical Society "Benedetti-Pichler Award"
 1992 Philip W. West Chair in Analytical and Environmental Chemistry, LSU
 1992 The Charles Holmes Hertzy Medal awarded by the Georgia Section of the American Chemical Society
 1991/2 Vice Chairman Elect of the 1991 Analytical Gordon Conference and Chairman Elect of 1992 Analytical Gordon Conference
 1991 Listed in American Men and Women of Science
 1991 1991 New York SAS Gold Medal
 1990 Discussion Leader and Lecturer at the Gordon Conference in Analytical Chemistry, New Hampton School, New Hampton, NH, August 6-10, 1990
 1988 Ralph Metcalfe Lecturer at Marquette University, October 17-21, 1988
 1988 Percy Julian Award for Outstanding and Significant Contribution in Research, sponsored by the National Organization of Black Chemists and Chemical Engineers
 1987 Samuel Candler Dobbs Chair in Analytical Chemistry
 1985 National Advisory Research Resources Council for NIH for the period 12/1/85 to 6/15/90.
 1985 International Directory of Distinguished Leadership, Vol. 2
 1985 Who's Who in Frontiers of Science and Technology
 1984-89 Recipient of 1984 Presidential Young Investigator Award
 1983-86 Member of National Academy of Science Advisory Panel for Center for Analytical Chemistry at the National Bureau of Standards
 1978, 1979, 1980, 1981
 Listed in Who's Who in the South and Southwest
 1979 Texas A&M nominee for Alfred P. Sloan Fellowship
 1976 Recipient of Outstanding Graduate Research Award of NOBCChE
 1975 Summer Fellow, ACS, Division of Analytical Chemistry
 1964-68 Scholar, Southern University

Education

2004 Recognized by the House of Representatives of The Louisiana Legislature during a joint session of the Louisiana Congress for Outstanding Accomplishments and Contributions to Louisiana State University, June 16, 2004
 2004 University of Washington, College of Arts & Sciences, Distinguished Alumnus Award, May 20, 2004
 2004 Quality Education for Minorities (QEM) Network Giants in Science Award, February 21, 2004
 2003 ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences, 225th National Meeting of the American Chemical Society, March 24, 2003, New Orleans, LA
 2003 Council for Chemical Research (CCR) Diversity Award 2003
 2002 Named Howard Hughes Medical Institute Professor, Louisiana State University.
 2002 Listed in America's Registry of Outstanding Professionals
 2002 Listed in Empire Who's Who
 2001 Science, Mathematics, Engineering and Technology Hall of Fame Inductee, Southern University, Baton Rouge, LA
 2000 Carnegie Foundation for the Advancement of Teaching/CASE Louisiana Professor of the Year
 2000 LSU Distinguished Faculty Award
 2000 Listed in 18th Edition of Who's Who in the World
 2000 AAAS Lifetime Mentor Award
 1998 Fulbright Fellowship for Research/Teaching in Kenya
 1997 Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring
 1996 Southern University award for the "Most Outstanding Graduate from the Southern University Department of Chemistry"
 1996 Procter & Gamble award for "Continuing Support for Education & Diversity in Analytical Chemistry"
 1995 International Who's Who of Professionals
 1995 National Association for Equal Opportunity in Higher Education (NAFEO) "Distinguished Alumni Award"

- 1993 National Organization for the Professional Advancement of Black Chemists & Chemical Engineers(NOBCCChE) Award for "Outstanding Teacher" at their 20th Annual Meeting held in Indianapolis, IN.
- 1992 1992 Faculty Appreciation Award, Office of Multi-cultural Programs and Services, Emory University
- 1991 Listed in American Men and Women of Science
- 1985 International Directory of Distinguished Leadership, Vol. 2
- 1985 Nominee for inclusion in the 1985 Esquire Register
- 1978, 1979, 1980, 1981
Listed in Who's Who in the South and Southwest
- 1964-68 Scholar, Southern University

RESEARCH CONTRACTS AND GRANTS

Since 1978 grant funds (~\$14,000,000) have been acquired from such organizations as the Petroleum Research Fund, the Research Corporation, the Robert A. Welch Foundation, the Department of Energy, the Office of Naval Research, the National Science Foundation, the Howard Hughes Medical Institute, and the National Institutes of Health.

GRANTS AT LSU AS PRINCIPAL INVESTIGATOR

| GRANTING AGENCY | GRANT TITLES | INCLUSIVE DATES | TOTAL(\$) |
|----------------------------------|--|--|------------------|
| <u>RESEARCH GRANTS</u> | | | |
| DOE | Sensitized Luminescence in Organized Media | 09/15/92 - 09/14/93 09/15/93 - 12/14/98 | 505,944 |
| NSF | Studies of Cyclodextrin Chemistry | 12/15/92 - 12/14/93 12/15/93 - 12/14/95 | 518,000 |
| NIH | Bioanalytical Studies of Drug/Protein Interactions | 01/01/93 - 11/30/93 | 37,193 |
| BOR (LEQSF) | Enhancement of Analytical and Environmental Chemistry Instrumentation | 06/01/93 - 06/30/94 | 120,000 |
| HEWLETT PACKARD | Novel Methodologies for Chiral Separations | 07/01/95 - 06/30/96 | 50,000 |
| HEWLETT PACKARD | Capillary electrophoresis instrumentation to conduct research on Novel Methodologies for Chiral Separations | 12/01/95 - 11/30/96 | 48,420 |
| NIH | Bioanalytical Separations Using Chiral Polymers | 09/30/95 - 08/31/98 | 460,392 |
| NSF | Studies In Organized Media | 06/01/96 - 11/30/00 | 569,514 |
| ARCO | C E Analysis of Fatty Acids | 03/01/97 - 02/28/98 | 47,000 |
| NIH | Bioanalytical Separations Using Chiral Polymers | 09/01/98 - 07/31/01 | 621,869 |
| NIH | Bioanalytical Separations Using Chiral Micelles | 09/01/01-08/31/05 | 1,122,750 |
| NSF | Studies In Organized Media | 08/01/01 - 08/31/04 | 525,500 |
| Shimadzu | Purchase of LC/MS | 05/01/02 – 04/30/05 | 55,000 |
| NSF | Studies In Organized Media (Special Creativity Extension) | 09/01/04 - 08/31/06 | 380,000 |
| <u>EDUCATIONAL GRANTS</u> | | | |
| NSF | Experiment In Education In Environmental Chemistry | 09/01/96 - 08/31/02 | 960,000 |
| NSF | Presidential Award for Excellence in Science | 09/25/97 - 09/24/99 | 10,000 |
| NSF (Co-PI) | Research Apprenticeship, Community Service, and Academic Enhancement Training for LSU Engineering and Mathematics Students (CSEMS-1) | 07/01/00 – 06/30/04 | 396,000 |
| NSF/LA Board of Regents (Co-PI) | Louisiana Alliance for Minority Participation (LAMP) -- Phase II | 10/01/00 - 09/30/05 | 668,056 |

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|-------------------------------------|---|---------------------|---------------------|
| HHMI | Professor Award | 09/01/02-08/31/06 | 1,000,000 |
| NSF (Co-PI) | Graduate Alliance for Education in Louisiana Total Funding = \$2,499,854 (\$475,245 = LSU Subcontract from Tulane University) | 01/01/03 - 12/31/07 | 475,245 |
| NSF/Research Corporation (Co-PI) | Louisiana State University Science Technology, Engineering & Mathematics Research Scholars Program (LA-STEM) | 09/01/03 - 08/30/08 | 4,474,921 |
| NIH (Co-PI) | MBRS IMSD (Minority Biomedical Research Support -- Initiative for Minority Student Development) Program at LSU | 04/01/04 - 03/31/08 | 709,938 |
| TOTAL FOR LSU GRANTS | | | \$13,755,742 |

PATENTS

- Warner, I.M., Schlenoff, J.B., Kapnissi, Constantina, P.K., Kamande, M.W., and Valle, B.C., "Analytical Separations With Polyelectrolyte Layers, Molecular Micelles, or Zwitterionic Polymers" U.S. Patent Application Pending No. 10/283,471
- Warner, I.M., Billiot, E., Shamsi, S. A. and Thibodeaux, S. J., "Polymerized Oligopeptide-Surfactant Chiral Micelles" U.S. Patent No. 6,270,640
- Daly, W. H., Poche, D. S., Warner, I. M. and Thibodeaux, S. J. "Composition and Method for Chiral Separations," U.S. Patent No. 6,013,738
- Warner, I. M., and Wang, J. "Polymerized Chiral Micelles for Chiral Separations," U. S. Patent No. 5,770,084.
- Warner, I.M., and Ho, C. N., "Process and Apparatus for Chemical Removal of Oxygen in Luminescence Measurements," U.S. Patent No. 4,516,984.
- Patonay, G., Warner, I.M., and Oldham, P.B., "Method and Apparatus for the Stabilization of Direct Current Arc Lamps," U.S. Patent No. 4,602,193.

PROFESSIONAL SOCIETIES

American Chemical Society (ACS), National Organization of Black Chemists and Chemical Engineers (NOBCChE), Society for Applied Spectroscopy (SAS), Sigma Xi (Scientific Research Society), North American Chapter of the International Chemometrics Society, Society of Fluorescence.

GRADUATE THESES CHAIRED

| <u>Name/Dissertation Title</u> | <u>Degree/Year</u> | <u>Current Position</u> |
|---|--------------------|---|
| Dennis C. Shelly: Two Dimensional Fluorescence Fingerprinting Using a Rapid Scanning Fluorometer | Ph.D./1982 TAMU | Associate Professor Texas Technical University Lubbock, TX |
| Gabrielle V. Harrison: Graphite Furnace Atomic Absorption Analysis of Organotin (Co chaired with T.M. Vickrey) | Ph.D./1982 TAMU | Research Chemist, Research in Testing Division of the Library of Congress, Washington, DC |
| Michael P. Fogarty: Development and Applications of Multidimensional Fluorescence Spectroscopy in Time Dependent Systems | Ph.D./1983 TAMU | Sr. Analytical Chemist, Eli Lilly & Co. |
| Thomas M. Rossi: Two Dimensional Spectroscopy: Image Analysis Techniques and Applications in Bacterial Identification | Ph.D./1985 TAMU | Vice President of Pharmaceutical Development, R. W. Johnson Pharamaceuticals Research Institute, Spring House, PA |
| Philip B. Oldham: A Portable Multichannel Fluorescence Spectrophotometer for Characterization of Marine Phytoplankton Populations | Ph.D./1985 TAMU | Professor and Chair, Department of Chemistry, Mississippi State University, Mississippi State, MS |

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| Dori Karlesky: Methods for Polynuclear Aromatic Hydrocarbon Determination in Air Samples Using Polar-Bonded Phase HPLC and GC-MS with Application to Oil Refinery Samples | Ph.D./1985 TAMU | Associate Professor Trinity College Deerfield, IL |
| Mae E. Rollie Taylor: A Novel Method of Automated Sample Deoxygenation for Luminescence Studies and Photochemistry of Micelles with Organic Counterions | Ph.D./1987 Emory | Senior Analytical Research Chemist, Abbott Laboratories, Chicago, IL |
| Mark Thomas: Design and Development of Multidimensional Fluorescence Detected Circular Dichroism and Analysis of Binding Sites on Albumin Using Multidimensional Fluorescence Measurements | Ph.D./1988 Emory | Sr. Anal. Chemist, CIBA Geigy Pharmaceuticals |
| Gregory Nelson: Fluorescence Studies of Cyclodextrin Complexes | Ph.D./1988 Emory | Research Scientist, Eastman Kodak |
| Sharon Neal: Computational Methods for Analysis of Multidimensional Fluorescence Data | Ph.D./1988 Emory | Associate Professor, University of Delaware |
| Matthew Tarr: The Influence of <i>tert</i> -Butyl Alcohol as a Mobile Phase Modifier on High Performance Liquid Chromatography Using Bonded Phase Cyclodextrin Columns | M.S./1988 Emory Ph.D./1992- Georgia Institute of Technology | Associate Professor of Chemistry, University of New Orleans, New Orleans, LA |
| Lisa A. Blyshak: Analytical Methodologies Using Organized Media: Solvent Extraction Through Cyclodextrin Complexation and Sensitized Luminescence in Nonconventional Micelles | Ph.D./1989 Emory | Research Anal. Chemist, CIBA-Geigy Pharmaceuticals |
| Jeff Wegrzyn: Analytical Studies in Chromatography: 1) A Compact Multichannel Fluorescence Detector for HPLC; 2) Studies in Ion Chromatography | Ph.D./1989 Emory | Research Anal. Chemist, Eli Lilly & Co. |
| Jonathan B. Zung: Design of a Fiber- Optic Based Multichannel Fluorometer and Studies of Cyclodextrin Inclusion Complexes | Ph.D./1991 Emory | Research Anal. Chemist, Pfizer Central Research, Groton, CT |
| Vonda K. Smith: Cyclodextrin Complexation of Surfactants and Polycyclic Aromatic Hydrocarbons | Ph.D./1993 Emory | Research Anal. Chemist, Agilent Technologies, Palo Alto, CA |
| Jodi Marie Schuette: Studies of Cyclodextrin/Heterocyclic Drug Complexation and the Influence of Chiral and Achiral Modifiers | Ph.D./1993 Emory | Sr. Anal. Chemist, ISIS Pharmaceuticals, Carlsbad, CA |
| Elizabeth Cummings: Spectroscopic Study of the Ternary Complex of Beta-Cyclodextrin, Pyrene, and Triton X-100 | M.S./1993 Emory | |
| Averrin Mwalupindi: Analytical Studies in Organized Media: Sensitized Lanthanide Luminescence in Reversed Micelles and Studies of Cyclodextrin inclusion Complexes | Ph.D./1994 Emory | Scientist, Proctor and Gamble, Pharmaceuticals, Norwich, NY |
| Noni Husain Byrnes: Spectroscopic and Chromatography Studies and Guest Binding to Cyclodextrins and Proteins | Ph.D./1994 Emory | Center for Scientific Review, National Institute of Health, Washington, DC |
| Jian Wang: Syntheses and Utilization of Polymerized Chiral Micelles and Spectroscopic Studies of Drug-Binding Properties | Ph.D./1994 Emory | Research Scientist, RW Johnson Pharmaceuticals, Rariton, NJ |
| Yvette Will: Spectroscopic Analyses of Guest Interactions with Cyclodextrins in the Presence of Chiral and Achiral Comodifiers | Ph.D./1995 Emory | Research Chemist Pharmaceutical, Science Division, Eli-Lilly & Co., Indianapolis, IN |
| Yuling Zhang: Syntheses, Separations, and Applications of Water-Soluble Chiral Calixarenes | Ph.D./1997 LSU | Associate Staff Scientist, Amgen Corporation, Seattle, WA |

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|---|-------------------|---|
| Eric L. Butler-Roberts: Spectroscopic Analyses of Excited-State Phenomena in Organized Media: Proton Transfer and Photoisomerization and Measurement of Modified Low-Density Lipoproteins Using Rapid-Mixing Multidimensional Stopped-Flow Spectroscopic Methods | Ph.D./1997 LSU | Senior Research Chemist, Arco Chemical Company, New Town Square, PA |
| Eugene Billiot: Chiral Recognition with Polymeric Mono- and Di-Peptide Surfactants in Capillary Electrophoresis | Ph.D./1998 LSU | Assistant Professor, Texas A & M, Corpus Christi, TX |
| Stefan Thibodeaux: Investigation of Steric Factors and Position of Chiral Center on Enantiomeric Separations Using Polymeric Surfactants and Poly (L-Glutamates) | M.S./1998 LSU | Research Scientist, Eli Lilly & Company, Indianapolis, IN |
| Crystal Williams Harrell: Synthesis, Characterization and Applications of Chiral Polymeric Surfactants in Micellar Capillary Electrophoresis | Ph.D./1999 LSU | Research Scientist, Proctor & Gamble, Cincinnati, OH |
| Michelle Butterfield Young: Spectroscopic Studies of Solid State Cyclodextrin Complexation Reactions With Various Guest Molecules | Ph.D./1999 LSU | Research Scientist, Georgia Bureau of Investigation, Atlanta, GA |
| Judson Leroy Haynes III: Development of Pseudo-Stationary Phases For Separations In Electrokinetic Chromatography | Ph.D./1999 LSU | Research Scientist, Proctor & Gamble, Cincinnati, OH |
| Houphouet Hyacinthe Yarabe: Studies in Organized Media: Part I- Characterization and Use of Polymeric Chiral Surfactants as Pseudo Stationary Phases for Separation in Capillary Electrophoresis: Part II-Use of Cyclodextrins in Capillary Electrophoresis and in the Formation of Linear Aggregates | Ph.D./2000 LSU | R & D Scientist Analytical, Development, Whitehall Robbins, Pharmaceuticals, Richmond, VA |
| Kimberly A. Agnew-Heard: Enantioseparation With Polymerized Sodium N-Undecanoyl L-Valinate in Chiral Electrokinetic Chromatography | M.S./2000 LSU | Graduate Assistant, Georgia State University |
| Fereshteh Haddadian Billiot: Chiral Recognition Using Polymeric and Monomeric Amino Acid Based Surfactants | Ph.D./2000 LSU | Assistant Professor, Texas A & M, Corpus Christi, TX |
| Charles William Henry III: Development of Novel Separation Strategies: Part I-The Separation and Characterization of the Insecticidal Pyrethrin Esters: Part II-Separation in Capillary Electro-Chromatography | Ph.D./2000 LSU | Technology Sales Representative, Beckman Coulter, Atlanta, GA |
| Cevdet Akbay: Synthesis, Characterization, and Applications of Novel Pseudostationary Phases in Micellar Capillary Electrophoresis for Separation of Chiral and Achiral Compounds | Ph.D./2002 LSU | Postdoctoral Associate, Georgia State University |
| Serigne Thiam: Characterization of Native and Bypass Human Coronary Plaque From the Same Heart: Investigation of the Chemical Forms of Calcium in Human Coronary Artery Plaque Deposits | Ph.D./2003 LSU | Research Scientist, III, Wyeth Vaccines |
| Kimberly Hamilton: Synthesis, Characterization and Application of Water-Soluble Chiral Calix[4] arene Derivatives in Spectroscopy and Capillary Electrokinetic Chromatography | Ph.D./2003 LSU | Northwest Mississippi, Community College, Assistant Professor |
| Jepkoech Tarus: Tuning Polymeric Chiral Surfactants for Enhanced Enantiomeric Recognition in Micellar Electrokinetic Chromatography | Ph.D./2004 LSU | PostDoctoral Associate, University of Kansas |
| Constantina Kapnissi: Analytical Separations Using Packed and Open-Tubular Capillary Electrochromatography | Ph.D./2004 LSU | PostDoctoral Researcher, University of Texas Southwestern Medical Center, Dallas |

POSTDOCTORAL TENURES

| <u>Name</u> | <u>Current Position</u> |
|-------------------------|---|
| Xiaodong Huang | Postdoctoral Researcher, Louisiana State University, Baton Rouge, LA |
| Nadia St. Luce | Postdoctoral Researcher, Louisiana State University, Baton Rouge, LA |
| Mark Lowry | Postdoctoral Researcher, Louisiana State University, Baton Rouge, LA |
| Kristin Fletcher | Postdoctoral Researcher, Louisiana State University, Baton Rouge, LA |
| Aleeta Powe | Postdoctoral Researcher, Louisiana State University, Baton Rouge, LA |
| Nicole Gill | Investigator, Schering Plough Corporation, Kenilworth, New Jersey |
| Xiofeng Zhu | Research Scientist, Pfizer Corporation, San Diego, CA |
| Abdu Numan | Assistant Professor, University of Science and Technology, Sanaa, Yeman |
| Sally Matthison | Chemist II, Los Angeles County, Joint Water Pollution Control Plant Laboratory |
| Sibrina Collins | Assistant Professor, Claflin University, Orangeburg, SC |
| Matthew McCarroll | Assistant Professor, Southern Illinois University, Carbondale, Illinois |
| Joseph Kipronoh Rugutt | Assistant Professor, Massachusetts College of Liberal Arts, North Adams, MA |
| Alfonso Davila | Lecturer, Louisiana State Univ., Baton Rouge, LA |
| Javier Macossay | Universidad Auto'noma de Nuevo Leon, San Nicolas de los Garza, N.L., Mexico |
| Shahab Shamsi | Assistant Professor, Georgia State University, Atlanta, GA |
| Joykrishna Dey | Assistant Professor, Indian Institute of Technology, Kharagpur West Bengal, India |
| Montserrat Sanchez Pena | Proctor and Gamble, Belgium |
| Rezik A. Agbaria | Postdoctoral Researcher, Louisiana State University, Baton Rouge, LA |
| Thilivhali Ndou | Gillette Research Institute, Gaithersburg, MD |
| Denise W. Sylvester | Research Associate, Emory University |
| Cynthia Williamson | Research Associate, NIH, Bethesda, MD |
| Ming Ren (Steve) Fuh | 3M, Magnetic Tape Division, Camarillo, CA |
| Chu Ngi Ho | Assoc. Professor, E. Tenn. State Univ., Johnson City, TN |
| John Kennedy | Research Chemist, Naval Weapons Support Center, Crane, IN |
| Linda McGown | Professor, Duke University, Durham, NC |
| Gabor Patonay | Professor, Georgia State University, Atlanta, GA |
| Chou Pau | Research Assoc., Centers for Disease Control, Atlanta, GA |
| Gerald Ramelow | Assoc. Professor, McNeese State Univ., Lake Charles, LA |
| Mumtaz Shah | R&D Chemist, Elan Pharmaceuticals, Gainesville, GA |
| Judy Sophianopoulos | Research Scientist, Environ. Protection Agency, Atlanta, GA |
| Yasuo Ueno | Visiting Professor of Chemical Engineering and Sr. Research Associate, Tobacco and Health Research Institute, University of Kentucky, Lexington, KY |
| Maria Vicsek | Research Scientist, Computer and Automation Institute, Hungarian Academy of Sciences, Budapest, Hungary |
| Wei xi Yao | Environmental Chemistry Researcher, Institute of Environmental Chemistry, Academia Sinica, Beijing, China |

VISITING FACULTY/SCIENTISTS

| | |
|---|--|
| Maria I. Rodriguez Caceres 2002-2003 | University of Extremadura, Department of Analytical Chemistry, Badajoz, SPAIN |
| Shahab A. Shamsi 2000 | University of Georgia, Atlanta, GA |
| Twintella Tate 2000 | Southern University Agricultural and Mechanical University, Baton Rouge, LA |
| Jane Murungi 1999 | Kenyatta University, Department of Chemistry Nairobi, Kenya |
| Alkis J. Sophianopoulos, 1989-1992 | Emory University, Department of Biochemistry Atlanta, Georgia |
| Arsenio Muñoz de la Peña 1989-90 & Summer 1994 | University of Extremadura, Department of Analytical Chemistry, Badajoz, Spain |
| Thomas Werner, 1994 | Union College, Department of Chemistry Schenectady, NY |

PUBLICATIONS

(Refereed Manuscripts)

1. Warner, I.M., Callis, J.B., Davidson, E.R., Gouterman, M. and Christian, G.D., "Fluorescence Analysis: A New Approach," *Analytical Letters*, 8(9), 655-681 (1975).
2. Warner, I.M., Callis, J.B., Davidson, E.R. and Christian, G.D., "Multicomponent Analysis in Clinical Chemistry by Use of Rapid Scanning Fluorescence Spectroscopy," *Clinical Chemistry*, 22(9), 1483-1492 (1976).
3. Warner, I.M., Callis, J.B., Christian, G.D. and Davidson, E.R., "Analysis of Multicomponent Fluorescence Data," *Analytical Chemistry*, 49(4), 564-573 (1977).
4. Warner, I.M., Davidson, E.R. and Christian, G.D., "Quantitative Analysis of Multicomponent Fluorescence Data by the Methods of Least Squares and Non Negative Least Sum of Errors," *Analytical Chemistry*, 49, 2155-2159 (1977).
5. Warner, I.M., Fogarty, M.P. and Shelly, D.C., "Design Considerations for a Two Dimensional Rapid Scanning Fluorometer," *Analytica Chimica Acta*, 109, 361-372 (1979).
6. Shelly, D.C., Quarles, J.M. and Warner, I.M., "Identification of Fluorescent Pseudomonas Species," *Clinical Chemistry*, 26, 1127-1132 (1980).
7. Fogarty, M.P. and Warner, I.M., "Multicomponent Photochemical Studies by Rapid Scanning Fluorescence Spectroscopy," *Applied Spectroscopy*, 34, 438-445 (1980).
8. Shelly, D.C., Warner, I.M. and Quarles, J.M., "A Multiparameter Approach to the Fingerprinting of Fluorescent Pseudomonads," *Clinical Chemistry*, 26, 1419-1424 (1980).
9. Fogarty, M.P. and Warner, I.M., "A Ratio Method for Fluorescence Spectral Deconvolution," *Analytical Chemistry*, 53, 259-265 (1981).
10. Shelly, D.C., Quarles, J.M. and Warner, I.M., "Preliminary Evaluation of Mixed Dyes for Fingerprinting Non Fluorescent Bacteria," *Analytical Letters*, 14(B13), 1111-1124 (1981).
11. Karlesky, D., Shelly, D.C. and Warner, I.M., "Reactivation of an Amino Bonded Phase Liquid Chromatographic Column," *Analytical Chemistry*, 53, 2146-2147 (1981).
12. Fogarty, M.P., Shelly, D.C. and Warner, I.M., "High Performance Liquid Chromatography/Video Fluorometry: Part I. Instrumentation," *Journal of High Resolution Chromatography*, 4, 561-568 (1981).
13. Shelly, D.C., Fogarty, M.P. and Warner, I.M., "High Performance Liquid Chromatography/Video Fluorometry: Part II. Application," *Journal of High Resolution Chromatography*, 4, 616-626 (1981).
14. Warner, I.M. and McGown, L.B., "Recent Advances in Multicomponent Fluorescence Analysis," *CRC Critical Reviews in Analytical Chemistry*, 13, 155-222 (1982).
15. Shelly, D.C., Rossi, T. and Warner, I.M., "Multiple Solvent Extraction Using Flow Injection Technology," *Analytical Chemistry*, 54, 87-91 (1982).
16. Fogarty, M.P. and Warner, I.M., "Preliminary Evaluation of the Effects of Quenching and Inner-Filter on the Ratio Deconvolution of Fluorescence Data," *Applied Spectroscopy*, 36, 460-466 (1982).
17. Ho, C. N. and Warner, I.M., "Multidimensional Phosphorimetry," *Trends in Analytical Chemistry*, 1, 159-163 (1982).
18. Ho, C. N. and Warner, I.M., "Multicomponent Mixture Analysis by Multi dimensional Phosphorimetry," *Analytical Chemistry*, 54, 2486-2491 (1982).
19. Rossi, T., Shelly, D.C. and Warner, I.M., "Optimization of a Flow Injection Analysis System for Multiple Solvent Extraction," *Analytical Chemistry*, 54, 2056-2061 (1982).
20. Rossi, T., Quarles, J.M. and Warner, I.M., "Analytical Studies of Fluorescent Metabolites of Cancer Cells," *Analytical Letters Part B*, 15, 1083-1098 (1982).

21. Wong, M., Oldham, P., Ho, C. N., and Warner, I.M., "High Speed Parallel Interface for a PAR Multichannel Detector Controller and a HP9845 Minicomputer," *Chemical, Biomedical and Environmental Instrumentation*, 12, 185-199 (1982).
22. Karlesky, D., Shelly, D.C. and Warner, I.M., "A Study of Polynuclear Aromatic Hydrocarbons on an Amino Bonded Phase Liquid Chromatographic Column in the Normal and Reversed Phase," *Journal of Liquid Chromatography*, 6, 471-495 (1983).
23. Shelly, D.C., Warner, I.M., and Quarles, J.M., "Characterization of Bacteria by Mixed Dye Fluorometry," *Clinical Chemistry*, 29, 290-296 (1983).
24. Ho, C. N., Rollie, M.E. and Warner, I.M., "Multiparametric Detection in Modern Luminescence Spectrometry," *Optical Engineering*, 22, 571-575 (1983).
25. Rollie, M.E., Ho, C. N. and Warner, I.M., "Sample Deoxygenation for Fluorescence Spectrometry by Chemical Scavenging," *Analytical Chemistry*, 55, 2445-2448 (1983).
26. Rossi, T. and Warner, I.M., "Fourier Transform Filtering of Two Dimensional Fluorescence Data," *Applied Spectroscopy*, 38, 422-429 (1984).
27. Oldham, P., Patonay, G., and Warner, I.M., "A Microprocessor Controlled Multichannel Fluorometer for Analysis of Sea Water," *Analytica Chimica Acta*, 158, 277-285 (1984).
28. Oldham, P., Patonay, G. and Warner, I.M., "Optical Output Stabilization Method for Direct Current Arc Lamps," *Review of Scientific Instruments*, 56, 297-302 (1985).
29. Patonay, G., Rollie, M.E. and Warner, I.M., "Sample Preparation Considerations for Measurement of Fluorescence Enhancement Using Cyclodextrins and Micelles," *Analytical Chemistry*, 57, 569-571 (1985).
30. Warner, I.M., Patonay, G. and Thomas, M.P., "Multidimensional Luminescence Measurements," *Analytical Chemistry*, 57, 463A-474A (1985).
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32. Patonay, G. and Warner, I.M., "A Simple Interface for Replacing ROM Using a Host Computer," *Analytical Instrumentation*, 14(2), 155-167 (1985).
33. Warner, I.M., Neal, S.L. and Rossi, T.M., "Strategies for the Reduction and Interpretation of Multicomponent Spectral Data," *Journal of Research of the National Bureau of Standards*, 90(6), 487-493 (1985).
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35. Ho, C. N., Karlesky, D.L., Kennedy, J.R., and Warner, I.M., "Triatomic Method for Correlation of Retention of Polynuclear Aromatic Hydrocarbons on Normal Phase HPLC," *Journal of Liquid Chromatography*, 9(1), 1-22 (1985).
36. Rossi, T.M. and Warner, I.M., "Quantitative Analysis of Two Dimensional Fluorescence Spectra Using Fourier Transform Based Correlation Analysis," *Applied Spectroscopy*, 40(1), 44-52 (1986).
37. Rossi, T.M. and Warner, I.M., "Rank Estimation of Emission Excitation Matrices Using Frequency Analysis of Eigenvectors," *Analytical Chemistry*, 58, 810-815 (1986).
38. Ho, C. N., Patonay, G. and Warner, I.M., "Bioanalytical Applications of Fluorescence Quenching," *Trends in Analytical Chemistry*, 5(2), 37-43 (1986).
39. Neal, S.L., Patonay, G., Thomas, M.P. and Warner, I.M., "Data Analysis in Multidimensional Luminescence Spectroscopy," *Spectroscopy*, 1(3), 22-28, (1986).

40. Patonay, G., Shapira, A., Diamond, P. and Warner, I.M., "A Systematic Study of Pyrene Inclusion Complexes with α -, β -, and γ -Cyclodextrins," *Journal of Physical Chemistry*, 90, 1963-1966 (1986).
41. Vicsek, M., Neal, S. and Warner, I.M., "Time Domain Filtering of Two-Dimensional Fluorescence Data," *Applied Spectroscopy*, 40(4), 542-548 (1986).
42. Karlesky, D.L., Rollie, M.E., Ho, C. N. and Warner, I.M., "Sample Cleanup Procedure for Polynuclear Aromatic Compounds in Complex Matrices," *Analytical Chemistry*, 58, 1187-1192 (1986).
43. Thomas, M.P., Patonay, G., and Warner, I.M., "A Novel Instrument for Measurement of Multidimensional Fluorescence Detected Circular Dichroism," *Review of Scientific Instruments*, 57(7), 1308-1316, (1986).
44. Pau, C., Patonay, G., Moss, C.W., Carlone, G., Rossi, T.M., and Warner, I.M., "A Rapid Enzymatic Procedure for Bacterial Identification Using Two-Dimensional Fluorescence Techniques," *Clinical Chemistry*, 32, 987-991 (1986).
45. Rossi, T.M., Moss, C.W. and Warner, I.M., "A Comparison of Fluorescent Pigments from Flavobacterium and Sphingobacterium Species," *Analytical Letters*, 19(B13), 1457-1486 (1986).
46. Nelson, G., Patonay, G. and Warner, I.M., "An Inexpensive Intelligent Interface for Coupling a PRA Fluorescence Lifetime Instrument to a Microvax II," *Analytical Instrumentation*, 15(3), 215-225 (1986).
47. Rollie, M.E., Patonay, G. and Warner, I.M., "Automated Sample Deoxygenation for Improved Luminescence Measurements," *Analytical Chemistry*, 59, 180-184 (1987).
48. Karlesky, D.L., Ramelow, G., Ueno, Y., Ho., C. N. and Warner, I.M., "Survey of Polynuclear Aromatic Compounds in Oil Refining Areas," *Environmental Pollution*, 43(3), 195-207 (1987).
49. Rollie, M.E., Patonay, G. and Warner, I.M., "Deoxygenation of Solutions and its Analytical Applications," *Industrial and Engineering Chemistry*, 26(1), 1-6 (1987).
50. Pau, C., Patonay, G., Moss, C.W., Hollis, D., Carlone, G., Plikaytis, B. and Warner, I.M., "Comparison of Flavobacterium and Sphingobacterium Species by Enzyme Profiles Using Pattern Recognition of Two-Dimensional Fluorescence Data," *Clinical Chemistry*, 33, 377-380 (1987).
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53. Pau, C. and Warner, I.M., "Evaluation of a Fourier-Transform Based Pattern Recognition Algorithm for Two-Dimensional Fluorescence Data," *Applied Spectroscopy*, 41, 496 (1987).
54. Oldham, P.B. and Warner, I.M., "Analysis of Natural Phytoplankton Populations by Pattern Recognition of Two Dimensional Fluorescence Spectra," *Spectroscopy Letters*, 20(5), 391-413 (1987).
55. Nelson, G., Patonay, G. and Warner, I.M., "Fluorescence Lifetime Study of Cyclodextrin Complexes of Substituted Naphthalenes," *Applied Spectroscopy*, 41(7), 1235-1238 (1987).
56. Thomas, M., Patonay, G. and Warner, I.M., "Fluorescence Detected Circular Dichroism Studies of Serum Albumins," *Analytical Biochemistry*, 164, 466-473 (1987).
57. Patonay, G., Nelson, G. and Warner, I.M., "Recent Advances in Multidimensional Fluorescence Spectrometry," *Progress in Analytical Spectroscopy*, 10, 561-571 (1987)
58. Patonay, G., Fowler, K., Shapira, A., Nelson, G. and Warner, I.M., "Cyclodextrin Complexes of Polyaromatic Hydrocarbons in the Presence of Aliphatic Alcohols," *Journal of Inclusion Phenomena*, 5, 717-723 (1987).
59. Thomas, M., Nelson, G., Patonay, G., and Warner, I. M., "A Versatile Interface for Instrument Control," *Laboratory Microcomputer*, 6(4), 164-167 (1987).

60. Nelson, G., Patonay, G. and Warner, I.M., "The Effects of Selected Alcohols on Cyclodextrin Inclusion Complexes of Pyrene Using Fluorescence Lifetime Measurements," *Analytical Chemistry*, 60(3), 274-279 (1988).
61. Pau, C., Rossi, T.M. and Warner, I.M., "Two-Dimensional Fluorescence Spectroscopy for Bacterial Identification," *Trends in Analytical Chemistry*, 7(2), 68-73 (1988).
62. Thomas, Mark P., Nelson, G., Patonay, G., and Warner, I.M., "Analysis of Drug Binding Sites on Human Serum Albumin Using Multidimensional Fluorescence Measurements," *Spectrochimica Acta*, 43B (4/5), 651-660 (1988).
63. Nelson, G., Patonay, G., and Warner, I. M., "Influence of Tert Butyl Alcohol on Cyclodextrin Inclusion Complexes of Pyrene," *J. Incl. Phenom.*, 6, 277-289 (1988).
64. Warner, I.M., Nelson, G., Patonay, G., Blyshak, L. and Neal, S.L., "Enhanced Multidimensional Luminescence Measurements Through Cyclodextrin Complexation," *Journal of Research of the National Bureau of Standards*, 93(3), 438-439 (1988).
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(Reports, Proceedings and Feature Articles)

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ORAL PRESENTATIONS

(Invited Lectures)

"Mentoring: An Essential Component of the LSU HHMI Program", University of Washington, May 19, 2004

"Chiral Separations: Using Polymeric Surfactants and Fluorescence Anisotropy to Understand Chiral Recognition", University of Washington, May 19, 2004

"Mixing Chromatography and Spectroscopy to Achieve Chiral Recognition With Molecular Micelles", Sigma Xi Distinguished Lectureship Series, University of Southern Mississippi Sigma Xi Spring Banquet, April 21, 2004

"Mentoring: A Vehicle for Implementing the Howard Hughes Medical Institute Professorship at LSU", Sigma Xi Distinguished Lectureship Series, LSU Sigma Xi Spring Banquet, April 1, 2004.

"Mentoring: A Novel Method For Knocking Down Brick Walls", Kansas University, January 29, 2004.

"Chiral Separations: Using Polymeric Surfactants and Fluorescence Anisotropy to Understand Chiral Recognition", Kansas University, January 30, 2004.

"Mentoring: A Novel Method for Knocking Down Brick Walls". January 15, 2004, "Chiral Separations: Using Polymeric Surfactants and Fluorescence Anisotropy to Understand Chiral Recognition", University of Cincinnati, January 14, 2004.

"Bioanalytical and Environmental Separations Using Polymeric Surfactants", University of Vermont, Burlington, VT, September 27, 2003.

"Transformation of the LSU Graduate Program in Chemistry" and "Separations Science and Fluorescence Spectroscopy: Is There More of a Connection Than Simple Detection?", University of Kentucky, Lexington, KY, September 5, 2003.

"Mentoring, A Novel Method for Battering Brick Walls", Sigma Xi Distinguished Lecture Series, University of South Florida, St. Petersburg, Florida, August 5, 2003.

"Mentoring: A Novel Tool for Knocking Down Brick Walls", University of Idaho, Moscow, ID, April 16, 2003.

"Mentoring: A Novel Tool for Knocking Down Brick Walls", University of Washington, Seattle, WA, April 14, 2003.

"Fluorescence and Separation: Is There More of a Connection Than Simple Detection?", University of Illinois, Urbana, IL, January 31, 2003.

"Fluorescence and Separation: Is There More of a Connection Than Simple Detection?", University of Iowa, Iowa City, January 23, 2003.

"Fluorescence and Separation: Is There More of a Connection Than Simple Detection?", Duquesne University, Pittsburgh, PA, January 17, 2003.

"A Novel Method for Knocking Down Brick Walls", Duquesne University, Pittsburgh, PA, January 16, 2003.

"Bioanalytical and Environmental Separations Using Ionic Liquids", Eastern Analytical Symposium, Somerset, New Jersey, November 19, 2002.

"Novel Separations Using Polymeric Surfactants in Micellar Electrokinetic Capillary Chromatography (MEKC) and Capillary electrochromatography (CEC)", Baton Rouge, Louisiana, Albermarle Corporation, October 22, 2002.

"Mentoring: A Novel Tool for Knocking Down Brick Walls", Massachusetts Institute of Technology, May 14, 2002.

"Mixing Chromatography and Spectroscopy to Understand Chiral Recognition", Massachusetts Institute of Technology, May 14, 2002.

"Chiral Molecules: The Difficulty of Separating These Jekyll/Hyde Twins", Julia M. Martin Symposium, Southern University, Baton Rouge, LA, March 21, 2002.

"Mixing Chromatography and Spectroscopy to Achieve Chiral Recognition With Molecular Micelles", University of Alabama, Tuscaloosa, AL, February 25, 2002.

"Mentoring: A Novel Method for Knocking Down Brick Walls", Chromatography Forum of Delaware Valley & Dupont, Philadelphia, PA, February 20, 2002.

"Chiral Separations Using Molecular Micelles", Jackson State University, Jackson, MS, Friday, November 30, 2001.

"Environmental and Biomedical Separations Using Polymetric Surfactants in Micellar Electrokinetic Capillary Chromatography", Cal State University, Los Angeles, CA, Friday, November 16, 2001.

"Chiral Separations Using Molecular Micelles", Louisiana State University, Baton Rouge, LA, Tuesday, November 6, 2001.

"A New Approach for differentiating Between the Binding of Enantiomers to a Novel Chiral Reagent", Texas A&M, College Station, TX, October 18, 2001.

"Polymeric Surfactants and Use of Fluorescence Anisotropy to Understand Chiral Recognition", Virginia Tech, Blackburg, VA, October 1, 2001.

"Polymeric Surfactants and Use of Fluorescence Anisotropy to Understand Chiral Recognition", Vanderbilt University, Nashville, TN, October 1, 2001.

"Round Table Discussion", White Hall Robbins, Richmond, VI, October 2, 2001.

"Novel Separations Using Polymeric Surfactants in Micellar Electron", Marquette University, Milwaukee, WI, August 27, 2001.

"Characterization and use of Polymeric Surfactants as Pseudostationary Phases in Capillary Electrophoresis", 28th Annual NOBCCChE meeting, Baltimore, Maryland, Thursday, April 12, 2001.

"Tales of a Wandering Chemist: Adventures in Separation of Photons to Separation of Enantiomers", 28th Annual NOBCCChE meeting, Baltimore, Maryland, April 11, 2001.

"Polymeric Surfactants: New Reagents for Separating Chiral Compounds", 221st ACS National Meeting, San Diego, CA, April 1, 2001

"Polymeric Surfactants: Novel Pseudostationary Phases for Chiral Separations", University of Southern Mississippi, Hattiesburg, MS, March 28, 2001

"Mentoring: A Method for Knocking Down Brick Walls, University of Southern Mississippi, Hattiesburg, MS, March 27, 2001

"Diversity: A Necessary Component of Science", AAAS Annual Meeting, San Francisco, CA, February 17, 2001

"Mentoring: A Method for Knocking Down Brick Walls", Hampton University, Hampton VA, February 2, 2001

"Mentoring: A Method for Knocking Down Brick Walls", Alliance for Graduate Education In Mississippi, Raymond, MS, January 26, 2001

"Polymeric Surfactants as Separation Reagents for Analysis of Polyaromatic Hydrocarbons, Western Michigan University, Kalamazoo, MI, January 19, 2001.

"Diversity: A Necessary Component of Science", Western Michigan University, Kalamazoo, MI, January 18, 2001.

"Environmental and Biomedical Separation Using Polymeric Surfactants for Molecular Recognition", NANCO, International Conference, Tucson, Arizona, December 20 - 22, 2000.

"Chiral Separations Using Polymeric Surfactants", Seminar - Texas Southern University , Houston, Texas, November 10, 2000.

"Chiral Separations Using Polymeric Surfactants", Seminar - University of Texas, Lubbock, Texas, November 15, 2000.

"Chiral Separations Using Polymeric Surfactants", Seminar, Florida State University, Tallahassee, Florida, October 27, 2000.

"Tales of a Wondering Chemist: Adventures in Separation of Photons to Separation of Enantiomers", Eastern Analytical Symposium, Atlantic City, NJ, October 30, 2000.

"Chiral Drugs: The Difficulty of Dealing with These Jekyll-Hyde Twins in the Pharmaceutical Industry", Seminar at Florida A & M University, Tallahassee, Florida, October 26, 2000.

US Africa Materials Workshop, Materials Research Institute, Northwestern University, Pretoria South Africa, July 30, 2000 - August 8, 2000.

"Novel Polymers for improved Analytical Measurements: Polymeric Surfactants" at the Joint United States/Africa Conference on Materials Chemistry on August 7, 2000.

American Chemical Society National Meeting, San Francisco, CA, March 24 - March 30, 2000.

"Chiral Separations Using Polymeric Surfactants", Seminar at University of Delaware, Newark, Delaware, April 4, 2000.

"Environmental and Biomedical Separations Using Polymeric Surfactants In Micellar Electrokinetic Capillary Chromatography" Texas Southern University, Houston, TX, October 14, 1999.

"Environmental and Biochemical Separations Using Polymeric Surfactants in Micellar Electrokinetic Capillary Electrophoresis" University of Washington, Seattle, WA, October 18, 1999.

"Environmental and Biomedical Separations Using Polymeric Surfactants In Micellar Electrokinetic Capillary Chromatography" Battelle/Pacific N/W National Labs, Richland, Washington, October 20, 1999.

"Achiral and Chiral Separations Using Polymerized Surfactants" Kenyatta University, Nairobi, Kenya, July 29, 1998.

"Achiral and Chiral Separations Using Polymerized Surfactants" Maseno University, Maseno, Kenya, July 24, 1998.

"Achiral and Chiral Separations Using Polymerized Surfactants" Moi University, Eldoret, Kenya, July 22, 1998.

"Achiral and Chiral Separations Using Polymerized Surfactants" University of Nairobi, Nairobi, Kenya, May 28, 1998.

"Achiral and Chiral Separations Using Polymerized Surfactants" Jomo Kenyatta University, Nairobi, Kenya, May 6, 1998.

"Characterization of Polymeric Surfactants" and "Achiral and Chiral Separations Using Polymeric Surfactants" Florida State University, Tallahassee, FL, February 26-27, 1998.

"Improved Separations in Capillary Electrophoresis Using Polymerized Surfactants" University of Missouri, Columbia, MO, February 6, 1998.

"Improved Separations in Capillary Electrophoresis Using Polymerized Surfactants" University of Arkansas, Little Rock, AR, November 21, 1998.

"Environmental Analysis Using Micelle Polymers: Achiral and Chiral Separations" Emory University, Atlanta, GA, May 29, 1997.

"Pursuing a Career in Science: A Minority Perspective," ACS National Meeting and Exposition, San Francisco, CA, April 13-17, 1997.

"Environmental Analyses Using Polymerized Surfactants" Grambling State University, Grambling, LA, February 3, 1997.

"Environmental Analysis Using Micelle Polymers in Micellar Electrokinetic Capillary Chromatography: Achiral and Chiral Separations," McGill Chemical Society Lecture Series, McGill University, Montreal, Canada, December 2-4, 1996.

"Mentor-ship: A Seagoing Vessel Which Guides through Troubled Waters," Ronald E. McNair Post Baccalaureate Achievement Program Recognition Ceremony, Louisiana State University, Baton Rouge, LA, April 22, 1996.

"Environmental Analysis Using Micelle Polymers in Micellar Electrokinetic Capillary Chromatography: Achiral and Chiral Separations," Hewlett Packard, Palo Alto, CA, April 3, 1996.

"Environmental Analysis Using Polymerized Micelles," University of Texas at Dallas, March 6, 1996.

"Polymerized Micelles and Derivatized Cyclodextrins for Chiral Separations," University of Michigan, Ann Arbor, MI, January 26, 1996.

"Chiral Micelle Polymers for Chiral Separations by Micellar Electrokinetic Capillary Chromatography," International Chemical Congress of Pacific Basin Societies (PacifiChem '95), Honolulu, Hawaii, December 17-22, 1995.

"Visions for Chemical Graduate Education for African American Students," Emory University, Hughes Science Initiative Program, Biology Department, Atlanta, Georgia, October 24, 1995.

"Biological Separations Using Micellar Electrokinetic Capillary Chromatography: Chiral Separations Using Chiral Micellar Polymers," Pennington Biomedical Research Center, Louisiana State University, Baton Rouge, LA, September 14, 1995.

"Analytical Chemistry in Organized Media," Colorado State University, Fort Collins, Colorado, March 31, 1995.

"Analytical Studies in Organized Media," University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, February 27, 1995.

"Environmental Chemistry: New Directions," Louisiana State University, Baton Rouge, LA, February 16, 1995.

"Fluorescence Spectrometry for Analysis of PAHS," Tennessee Valley Authority, Muscle Shoals, Alabama, June 30, 1994

"Ternary Complexes of Cyclodextrins," University of Cincinnati, Cincinnati, Ohio, May 13, 1994.

"Ternary Complexes of Cyclodextrins," Ohio State University, Columbus, Ohio, May 11, 1994.

"Studies of Retention Strategies for African-American Students in Chemistry" "The University of Illinois at Chicago Chemistry Symposium", Chicago, Illinois, April 15, 1994.

"Mentorship: A New Word or Guide for a Seagoing Vessel?" Southern University "The Julia M. Martin College of Sciences Symposium", Baton Rouge, Louisiana, February 24, 1994.

"Fluorescence Studies of Cyclodextrin Chemistry," East Carolina University, Asheville, North Carolina, October 22, 1993.

"Fluorescence Studies of Cyclodextrin Chemistry," University of North Carolina, Greenville, North Carolina, October 21, 1993.

"A Career in Science: What are the Factors as related to Minorities," Organizer of the 45th Southeast Regional Meeting (ACS), Johnson City, TN, October 18, 1993.

"Fluorescence Studies of Cyclodextrin Chemistry," Trinity University, San Antonio, Texas, April 23, 1993.

"Fluorescence Studies of Cyclodextrin Chemistry," Texas Southern University, Houston, Texas, April 22, 1993.

"Fluorescence Studies of Cyclodextrin Media," Agnes Scott College, Decatur, Georgia, March 8, 1993.

"Luminescence in Organized Media," University of Maryland, College Park, Maryland, February 17, 1993.

"The Karate Kid Revisited or The Role of Mentorship," Southern University, Baton Rouge, Louisiana, October 1, 1992.

"Strategy for Securing Funding and Tenure," AT & T Bell Lab celebration of 20th Anniversary of Cooperative Research Fellowship Program (CRFP), Murryhill, NJ, October 19, 1992.

"Cyclodextrins and Micelles as Media for Fluorescence Studies," Southwest Regional Meeting, Lubbock, TX, October 21, 1992.

"Cyclodextrins and Micelles as Media for Fluorescence Studies," ACS Annual Analytical Symposium, Utah State University, Logan, Utah, June 24, 1992.

"Influence of Co-Solvents in Cyclodextrin Host-Guest Chemistry," Battelle Pacific NW Laboratories, Richland, Washington, June 22, 1992.

"Influence of Chiral and Fluorinated Alcohols on Cyclodextrin Complexes," 6th International Symposium on Cyclodextrins, Chicago, ILL, April 21-24, 1992.

"The Karate Kid Revisited (The Role of Mentorship)," 1992 Moreton Lecture at Millsaps College, Jackson, Mississippi, March 16, 1992.

"The Influence of Co-solvents on Cyclodextrin Host-Guest Chemistry," Millsaps College, Jackson, Mississippi, March 16, 1992.

"The Making of a Chemical Scientist: Can Women and Minorities Cope?" the 43rd Annual Pittsburgh Conference, New Orleans, Louisiana, March 10, 1992.

"The Influence of Co-solvents on Cyclodextrin Host-Guest Chemistry," University of Maryland, Baltimore, Maryland, February 25, 1992.

"Fluorescence Spectroscopy for Biological Measurements," Department of the Army, Biological Sciences Program, Research Triangle Park, NC, April 29, 1991.

"Influence of Alcohols on Cyclodextrin Host-Guest Chemistry," Hampton University, Hampton, Virginia, February 6, 1991.

"Influence of Alcohols on Cyclodextrin Host-Guest Chemistry," University of Minnesota, Minneapolis, Minnesota, February 1, 1991.

"Influence of Alcohols on Cyclodextrin Host-Guest Chemistry," Iowa State University, Ames, Iowa, January 31, 1991.

"Influence of Alcohols on Cyclodextrin Host-Guest Chemistry," The College of Wooster, Wooster, Ohio, January 29, 1991.

"Studies of Cyclodextrin Chemistry," Catholic University of Puerto Rico, Ponce, Puerto Rico, November 27, 1990.

"Studies of Cyclodextrin Chemistry," University of Puerto Rico, Rio Piedras, Puerto Rico, November 26, 1990.

"Cyclodextrin Chemistry," Clark Atlanta University, Atlanta, Georgia, November 12, 1990.

"Effects of Third Components on Cyclodextrin Complexation of Guest Molecules," University of Delaware, Newark, Delaware, October 17, 1990.

"Effects of Third Components on Cyclodextrin Complexation of Guest Molecules," Swarthmore College, Swarthmore, Pennsylvania, October 16, 1990.

"Effects of Third Components on Cyclodextrin Complexation of Guest Molecules," Wayne State University, Detroit, Michigan, October 15, 1990.

Discussion Leader and Lecturer on "Cyclodextrin and Reverse Micellar Chemistry," 1990 Gordon Conference in Analytical Chemistry, New Hampton School, New Hampton, New Hampshire, August 6-10, 1990.

"Influence of Alcohols on Cyclodextrin Complexation," San Jose State University, San Jose, CA, May 8, 1990.

"Influence of Alcohols on Cyclodextrin Complexation," Indiana University, Bloomington, IL, April 17, 1990.

"Influence of Alcohols on Cyclodextrin Complexation," University of Illinois, Chicago, IL, April 16, 1990.

"Studies of Cyclodextrin Complexes in the Presence of Third Components," 5th International Symposium on Cyclodextrins, Paris, France, March 28-30, 1990.

"Analytical Studies Using Cyclodextrins," Mississippi State University, Mississippi State, MS, March 9, 1990.

"Analytical Studies Using Cyclodextrins," University of Mississippi, University, MS, March 8, 1990.

"Analytical Studies Using Cyclodextrins," Clemson University, Clemson, SC, March 1, 1990.

"The Influence of Alcohols and Surfactants on Cyclodextrin Complexation," Memphis State University, Memphis, TN, October 13, 1989.

"Studies of Cyclodextrin Complexes in the Presence of Non ionic Surfactants," University of Miami, Miami, FL, September 8, 1989.

"The Karate Kid Revisited: The Role of Mentorship in our Lives," Emory University, Black Student Association Banquet, Atlanta, GA, September 5, 1989.

"Alcohols as Co-solvents in Cyclodextrin Complexation," Dow Chemical Company, Baton Rouge, LA, July 14, 1989.

"Influence of Alcohols on Cyclodextrin Complexation," University of North Carolina, Chapel Hill, NC, July 13, 1989.

"NSF Funding of Undergraduate Programs," University of North Carolina, Chapel Hill, NC, July 13, 1989.

"Influence of Alcohols on Cyclodextrin Complexation," Southern University, Baton Rouge, LA, April 7, 1989.

"Influence of Alcohols on Cyclodextrin Complexation," Louisiana State University, Baton Rouge, LA, April 6, 1989.

"Effects of Alcohols in Cyclodextrin Complexation of Polyaromatic Hydrocarbons," Seattle University, Seattle, WA, January 27, 1989.

"Funding Opportunities at NSF," Seattle University, Seattle, WA, January 27, 1989.

"Influence of Alcohol on the Complexation of Cyclodextrins with Pyrene," University of Michigan, Ann Arbor, MI, January 26, 1989.

"Influence of Alcohol on the Complexation of Cyclodextrins with Pyrene," Michigan State University, East Lansing, MI, January 24, 1989.

"Influence of Alcohols on Cyclodextrin Complexation," University of Virginia, Charlottesville, Virginia, December 1, 1988.

"Influence of Alcohols on Cyclodextrin Complexation," University of Georgia, Athens, Georgia, November 17, 1988.

"Multidimensional Luminescence," Marquette University, Milwaukee, WI, October 21, 1988.

"The Karate Kid Revisited, The Role of Mentorship in Our Lives," Marquette University, Milwaukee, WI, October 19, 1988.

"Influence of Alcohols on Cyclodextrin Complexation," Marquette University, Milwaukee, WI, October 18, 1988.

"Funding Opportunities at the National Science Foundation," Marquette University, Milwaukee, WI, October 17, 1988.

"Fluorescence Studies of Cyclodextrin Complexes," Universite de Bordeaux 1, Bordeaux, France, April 25, 1988.

"Fluorescence Studies of Cyclodextrin Complexes," 4th International Symposium on Cyclodextrins, Munich, West Germany, April 20 22, 1988.

"Fluorescence Studies of Ternary Cyclodextrin Complexes," Tufts University, Medford, MA, April 5, 1988.

"Fluorescence Studies of Ternary Cyclodextrin Complexes," University of Florida, Gainesville, FL, January 27, 1988.

"Fluorescence Studies of Ternary Cyclodextrin Complexes," University of Washington, Seattle, WA, January 19, 1988.

"Multidimensional Fluorescence Detected Circular Dichroism Quenching of Bilirubin Albumin Complexes," presented at the Conference on Fluorescence Detection II 1988 SPIE/LASE in Los Angeles, CA, January 14, 1988.

"Fluorescence Studies of Ternary Cyclodextrin Complexes," University of Pittsburgh, Pittsburgh, PA, November 19, 1987.

"Fluorescence Detected Circular Dichroism," Spectroscopy Society of Pittsburgh, Pittsburgh, PA, November 18, 1987.

"A Compact Diode Array Spectrometer for Microbore LC," presented in Symposium on Selective Detection in Chromatography and "Multidimensional Luminescence Studies in Organized Media" presented in Symposium on Microphase Luminescence Organized Media and Solid Matrices: 14th Annual FACSS Meeting, Detroit, MI, October 4-9, 1987.

"Enhanced Multidimensional Luminescence Measurements Through Cyclodextrin Complexation," presented at the NBS Symposium on Accuracy in Trace-Analysis Accomplishments, Goals, Challenges, Gaithersburg, MD, September 30, 1987.

"Multidimensional Luminescence Studies in Organized Media," Southern Illinois University, Carbondale, Illinois, September 18, 1987.

"Fluorescence Detected Circular Dichroism Studies of Serum Albumin," Southern University, Baton Rouge, Louisiana, September 3, 1987.

"Luminescence Studies Using Automated Sample Deoxygenation" presented in the Symposium on Molecular Luminescence and Related Concepts at the 194th National Meeting of the American Chemical Society, New Orleans, Louisiana, September 2, 1987.

"Fluorescence Lifetime Studies of Cyclodextrin Complexes" presented in the Symposium on Characterization and Application of Membrane Mimetic Agent: Recent Advances at the 194th National meeting of the American Chemical Society, New Orleans, Louisiana, September 1, 1987.

"Influence of Cyclodextrins on the Properties of Fluorophores," AT&T Bell Laboratory, Murray Hill, NJ, June 19, 1987.

"Multidimensional Luminescence Measurements," Society for Applied Spectroscopy Tour Speaker: Northern California Region- San Francisco, Southern California Region - Los Angeles; Nevada Region Las Vegas; Arizona Region - Phoenix; Rio Grande Region - Albuquerque; April 20 24, 1987.

"Luminescence in Nonconventional Reverse Micellar Systems," National Organization of Black Chemists and Chemical Engineers, 14th Annual National Conference, San Francisco, California, April 13-18, 1987.

"Multidimensional Luminescence Studies in Organized Media," Virginia Commonwealth University, Richmond, Virginia, March 5, 1987.

"Optimization of Fluorescence Measurements," Texas A&M University, College Station, Texas, November 18, 1986.

"Solvent Extraction of Polynuclear Aromatic Hydrocarbons Using Cyclodextrins," Southern University, Baton Rouge, Louisiana, September 5, 1986.

"Multidimensional Luminescence Measurements," Southern University, Shreveport, Louisiana, July 1, 1986.

"Spectral Deconvolution of Multicomponent Fluorescence Data," 1986 Summer Research in Statistics Conference, Mobile, Alabama, June 17-18, 1986.

"Optimization of the Fluorescence Measurement Process," University of South Florida, Tampa, Florida, January 30, 1986.

"Multidimensional Fluorescence Detected Circular Dichroism," and "Bacterial Fingerprinting Using Multiparameter Fluorescence Techniques," Biomedical Luminescence Analysis Symposium, Eastern Analytical Symposium, New York City, November 20-22, 1985.

"Optimization of the Fluorescence Measurement Process," Northeast Tennessee Section of the American Chemical Society, East Tennessee State University, Johnson City, Tennessee, November 6, 1985.

"Optimization of the Fluorescence Measurement Process," University of Tennessee, Knoxville, Tennessee, November 5, 1985.

"Optimization of the Fluorescence Measurement Process," Georgia Institute of Technology, Atlanta, Georgia, October 31, 1985.

"Multidimensional Luminescence Measurements," Stevens Institute of Technology, Hoboken, New Jersey, October 2, 1985.

"Multidimensional Luminescence Measurements," University of Houston, Houston, Texas, June 27, 1985.

"Fluorescence Studies in Aqueous Solutions Using α -, β -, and γ -Cyclodextrins and Micelles," National Organization of Black Chemists and Chemical Engineers, 12th Annual Meeting, St. Paul, Minnesota, May 22-25, 1985.

"Strategies for the Reduction and Interpretation of Multicomponent Spectral Data," Chemometrics Research Conference, National Bureau of Standards, Gaithersburg, Maryland, May 21, 1985.

"Environmental Analysis Using Multiparameter Luminescence Techniques," 15th Annual Symposium on the Analytical Chemistry of Pollutants, Jekyll Island, Georgia, May 20, 1985.

"Analysis of Organic Species in Marine Waters," 1985 Office of Naval Research Conference on Advances in Chemical Instrumentation, Gainesville, Florida, April 25, 1985.

"Multicomponent Analysis Using Fluorescence Spectroscopy," Principles and Practices of Modern Fluorescence Spectroscopy Seminar, Spectroscopy Society of Pittsburgh, Pennsylvania, March 23, 1985.

"Fluorescence Studies in Aqueous Solutions Using α -, β -, and γ -Cyclodextrins and Micelles," Southern University, Baton Rouge, Louisiana, February 18, 1985.

"Multiparameter Fluorescence Spectroscopy," Howard University, Washington, D.C., November 15-16, 1984.

"Marine Analysis Using a Rapid Scanning Multichannel Fluorometer," NATO Advanced Study Institute on Advanced Techniques on Marine Pollution Studies, Beaulieu sur mer, France, October 4-14, 1984.

"A Rapid Scanning Fluorescence Detected Circular Dichroism Spectrometer," and "Resolution of Multicomponent Fluorescence Data," FACSS, 11th Annual Meeting, Philadelphia, September 16-21, 1984.

"Multiparameter Fluorescence Spectroscopy," North Carolina State, Raleigh, September 10, 1984.

"Multiparameter Fluorescence Techniques," "Qualitative and Quantitative Analysis of Multiparameter Fluorometric Data," "Multidimensional Phosphorimetry," "Fluorescence Quenching," "Fluorescence Detected Circular Dichroism," "Multiparameter Fluorescence Techniques for Bacterial Identification," "Studies of Pyrene Inclusion Complexes with Cyclodextrins," National Bureau of Standards, July 17-August 23, 1984.

"Multiparameter Luminescence Spectroscopy, College of Charleston, South Carolina, April 5, 1984.

"Pattern Recognition of Multiparameter Fluorescence Data Using Fourier Transformation," 1984 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Atlantic City, New Jersey, March 5-9, 1984.

"Multiparameter Luminescence Spectroscopy," University of Delaware, Newark, Delaware, March 1, 1984.

"Multiparameter Luminescence Spectroscopy," Wake Forest University, Winston-Salem, North Carolina, February, 29, 1984.

"Multiparameter Luminescence Spectroscopy," Freed-Hardeman College, Henderson, Tennessee, February 14, 1984.

"Multiparameter Luminescence Spectroscopy," University of Texas at San Antonio, February 6, 1984.

"Multiparameter Luminescence Spectroscopy," New Mexico State University, Las Cruces, New Mexico, February 2, 1984.

"Computer Algorithms for the Interpretation of Multicomponent Fluorescence Data," Department of Mathematics, Emory University, Atlanta, Georgia, December 8, 1983.

"Multiparameter Fluorescence Techniques," Hampton Institute, Hampton, Virginia, November 30, 1983.

"Multidimensional Fluorescence Spectroscopy," Florida State University, Tallahassee, Florida, September 16, 1983.

"Multiparameter Fluorescence Spectroscopy," 1983 Society for Applied Spectroscopy Meeting, Piedmont Section, Atlanta, Georgia, September 14, 1983.

"Multiparameter Fluorescence Spectroscopy," 1983 Meeting of the Southeastern Association of Analytical Chemists (SEAAC), Atlanta, Georgia, April 14-16, 1983.

"Recent Studies Using Multiparameter Luminescence Techniques," 1983 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Symposium on Advances in Luminescence Spectroscopy, Atlantic City, New Jersey, March 7-11, 1983.

"Selected Applications of Rapid Scanning Fluorometry and Phosphorimetry," 21st Eastern Analytical Symposium, New York, November 17-19, 1982.

"Quenching in Fluorescence Analysis," Atlanta University, Atlanta, Georgia, November 19, 1982.

"Selected Applications of a Rapid Scanning Fluorometer," National Bureau of Standards, Second NBS-ADABSE Analytical Chemistry Workshop, Gaithersburg, Maryland, October 24-29, 1982.

"Clinical Applications of Two-Dimensional Image Analysis in Fluorescence Spectroscopy," 34th National Meeting of the American Association for Clinical Chemistry, Symposium on Advances in Enhanced Selectivity and Sensitivity, Anaheim, California, August 8-13, 1982.

"Microprocessor Control of a Rapid Scanning Absorption Detector for HPLC," 182nd National ACS Meeting, Symposium on Computer Controlled Instrumentation, New York, August 23-28, 1981.

"Multidimensional Phosphorimetry," at the 182nd National ACS Meeting, Symposium on Spectrometric Characterization of Complex Organic Samples, New York, August 23-28, 1981.

"Studies of the Phosphorescence Emission Excitation Matrix," 181st ACS National Meeting, Symposium Recognizing Analytical Division Fellowship Program, Atlanta, Georgia, March 29-April 3, 1981.

"Rapid Scanning Spectroscopy: Selected Analytical Applications and New Directions," Emory University, Atlanta, Georgia, January 8, 1981.

"New Directions in Rapid Scanning Fluorescence Spectroscopy," Joint SE/SW Regional ACS Meeting, Symposium on Luminescence Methods for the Analysis of Complex Samples, New Orleans, December 12, 1980.

"Data Processing in a Fluorescence Laboratory ...," Purdue University, October 28, 1980.

"Influence of Fluorescent Dye Labeling on the Fingerprinting of 'Non Fluorescent' Microorganisms" and "Multiparameter Fluorescence Spectroscopy," Expochem '80 in Houston, October 7-8, 1980.

"Multiparameter Fluorescence Spectroscopy," North Carolina A&T, Chemistry Department, May 15, 1980.

"Two Dimensional Rapid Scanning Fluorometer and Its Application to the Fingerprinting of Pseudomonads," Scripps Clinic and Research Foundation, LaJolla, California, March 11, 1980.

"Multiparameter Fluorescence Spectroscopy," Naval Ocean Systems, San Diego, California, March 10, 1980.

"Recent Developments in Video Fluorometry," Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Recent Developments and Future Trends in Fluorescence Spectroscopy, Cleveland, Ohio, March 5-9, 1979.

(Conference Presentations)

227th American Chemical Society National Meeting, Anaheim, CA, March 30-April 1, 2004.

Pittsburg Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, Chicago, Illinois, March 7-12, 2004.

Graduate Alliance for Education in Louisiana (GAELA) Recruitment Conference, Tulane University, New Orleans, LA, October 3, 2003, "Mentoring: The Yellow Brick Road to Success".

Colloquium Spectroscopicum Internationale XXXIII, September 7-12, 2003, Granada, Spain. M.I. Rodriguez Caceres, R.A. Agbaria, I.M. Warner, "Comparative Study of Binary and Ternary Complexes of Naphthoic Derivatives".

226th American Chemical Society National Meeting, New York, NY, September 7, 2003, "Chiral separations using polymeric surfactants and polyelectrolyte multilayers in open-tubular capillary electrochromatography", Constantina Kapnissi, Mark Lowry, Bertha Valle, Rezik Agbaria, Lei Geng and Isiah Warner. "Analytical studies using ionic liquids", Simon Mwongela, Bertha Valle, Rezik Agbaria and Isiah M. Warner.

225th American Chemical Society National Meeting, New Orleans, LA - March 23-27, 2003. Isiah Warner, "Mentoring: The Yellow Brick Road from Bunkie, Louisiana".

224th American Chemical Society National Meeting, Boston, MA - August 18-22, 2002. Isiah Warner, "Mentoring the Multicultural Pipeline".

223rd American Chemical Society National Meeting, Orlando, FL - April 7-11, 2002. Isiah Warner, "Mentoring the Multicultural Pipeline".

30th Annual National Conference of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, New Orleans, LA, March 26-27, 2002. Bertha Cedillo, Xiaofeng Zhu, Rezik Agbaria and Isiah M. Warner, "Separation of Risperidone and the Enantiomers of 9-Hydroxyrisperidone by Capillary Electrophoresis".

Council for Chemical Research, Cincinnati, OH, March 23-24, 2002.

Pittcon 2002, March 18-20, 2002, New Orleans, LA, Isiah M. Warner, "Chiral Separations Using Novel Polymeric Surfactants and Use of Fluorescence Anisotropy to Examine Chiral Recognition". Bertha Cedillo, Rezik Agbaria, Mark McLaughlin, Isiah M. Warner, "Fluorescence Anisotropy as a Measure of Chiral Recognition in Homogeneous and Heterogeneous Environments. Constantina Kapnissi, "Novel Separations Using Polymeric Surfactants in Open Tubular Capillary Electrochromatography.

Best and Diversity Models Conference, March 10-16, 2002.

222nd American Chemical Society Fall Meeting, Chicago, Illinois, August 24-29, 2001. Isiah Warner, "Novel Separations Using Polymeric Surfactants in Micellar Electrons".

ISCD, Chirality, 2001 Conference, Orlando, FL, July 15-18, 2001. Isiah Warner, "Characterization and use of Polymeric Surfactants as Pseudostationary Phases in Capillary Electrophoresis".

American Oil Chemist Society Conference, Minneapolis, MN, May 14-16, 2001. Isiah Warner, "Characterization and use of Polymeric Surfactants as Pseudostationary Phases in Capillary Electrophoresis".

28th Annual National Conference of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, Baltimore, MD, April 10-13, 2001. Isiah Warner, "Characterization and use of Polymeric Surfactants as Pseudostationary Phases in Capillary Electrophoresis".

American Chemical Society National Meeting, San Francisco, CA, April 1-5, 2001. Isiah M. Warner, "Polymeric Surfactants: New Reagents for Separating Chiral Compounds".

Pittcon 2001, March 4-9, 2001

American Chemical Society 218th National Meeting, San Francisco, CA, March 26-30, 2000.

Pittcon 2000 March 12-17, 2000 - New Orleans, LA "Science for the 21st Century", Cevdet Akbay, Shahab A. Shamsi, Joseph K. Rugutt & Isiah M. Warner. "Anionic Amphiphilic Compounds with Double Long Chains as Pseudo-Stationary Phases for Electrokinetic Chromatography." Bertha Cedillo, Feri Hadadian Billiot, Shahab Shamsi, & Isiah M. Warner. "Combinations of Cyclodextrin and D-Form Polymeric Surfactants for Chiral Separation Using Capillary Electrophoresis." Fereshteh Haddadin Billiot, Matthew E. McCarroll, Joseph K. Rugutt & Isiah M. Warner. "Measurement of Physical Properties of Amino Acid Based Surfactants Using Spectroscopic Techniques." Kimberly Y. Hamilton & Isiah M. Warner. "Separation Abilities of Chiral Acycalix[4]arene Amino Acid Derivatives in Capillary Electrokinetic Chromatography." Charles W. Henry III, Matthew E. McCarroll, & Isiah M. Warner. "Separation of Pyrethrin Using Capillary Electrochromatography with a Ternary Mobile." Teri L. Robinson, Judson L. Haynes, & Isiah M. Warner. "Sendrimers in Electrokinetic Chromatography." Serigne Thiam, Roland C. Tittsworth, Matthew McCarroll, Erwin Poliakoff, James W. Robinson, & Isiah M. Warner. "Characterization of Human Atherosclerotic Plaque." H. Hyacinthe Yarabe, Matthew McCarroll, Joseph K. Rugutt, & Isiah M. Warner. "Enantiomeric Separation of Derivatized Aromatic Amino Acids by Polymeric Surfactant Capillary Electrophoresis." Chanel A. Fortier, Charles W. Henry III, & Isiah M. Warner. "Separation of Vitamin E Using Capillary Electromatography"

FACSS 1999, Vancouver, BC, October 24-26, 1999, Isiah M. Warner, "Environmental and Biomedical Separations Using Polymeric Surfactants in Micellar Electrokinetic Capillary Chromatography."

EAS Meeting, New Jersey, November 14-19, 1999, Isiah M. Warner, Crystal Williams Harrel, and Matthew McCarroll, "Spectroscopic Studies of Polymeric Surfactants in Capillary Electrophoresis."

American Chemical Society 218th National Meeting, New Orleans, Louisiana, August 22-26, 1999. Rugutt, J. K., Yarabe, H. H. Shamsi, S. A. and Warner, I. M. "Stiga Weeds: The Persistent Enemies of African Crops," Yarabe, H. H. McCarroll, M. E. Rugutt, J. K. and Warner, I. M. "Capillary Electrophoretic Separation of Binaphthyl Enantiomers with Two Polymeric Chiral Surfactants: A Fluorescence Spectroscopic and Thermodynamic Study," Akbay, C. and Warner, I. "Polymers of Sodium Oleyl Sulfate and Sodium Oleyl Phosphate as Pseudostationary Phases for micellar Electrokinetic Chromatography," Tarus, J., McCarroll, M. E., and Warner, I. M. "Fluorescence Study of the Effect of Additives on the Aggregation Behavior of Triton X-102," McCarroll, M. E. Haddadian, F., Billiot, E. J., and Warner, I. M. "Fluorescence Anisotropy Study of Chiral Interactions Between Polymerized Amno Acid Surfactants and Chiral Analytes," Thiam, S., Tittsworth, R., Rugutt, J. K. and Warner, I. M. "Characterization of Human Atherosclerotic Plaque," Hamilton K. Y. and Warner, I. M. "Chiral Separations Using Calix[4]Arene Derivatives as Buffer Additives in Capillary Electrokinetic Chromatography," Akbay, C. and Warner, I. M. "Novel Pseudostationary Phases in Micellar Electrokinetic Chromatography for Separation of Polynuclear Aromatic Hydrocaborns".

"Achiral and Chiral Separations Using Polymerized Surfactants" 7th International Chemistry Conference in Africa and 34 Convention of the South African Chemical Institute, University of Natal, Durban, South Africa, July 6-10, 1998.

"Achiral and Chiral Separations Using Polymerized Surfactants" Plenary Lecture for Great Lakes College Chemistry Conference, Michigan State University, East Lansing, MI, March 21, 1998.

FACSS 1997, Providence, Rhode Island, October 26-30, 1997, Isiah M. Warner, Shahab Shamsi, Eugene Billiot, Monserrat Sanchez Pena, "Chiral Separations Using Polymeric Surfactants and Calixarenes."

ACS National Meeting and Exposition, San Francisco, CA, April 13-17, 1997 Yuling Zhang, Montserrat Sanchez Pena and Isiah M. Warner "Synthesis of water-Soluble Chiral Calixarene Derivatives and their Use in Chiral Separations."

24th Annual National Conference of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, Orlando, Florida, March 24-29, 1997. Shahab A. Shamsi and Isiah M. Warner "Environmental Analysis Using Polymeric Surfactants in Micellar Electrokinetic Capillary Chromatography: Achiral and Chiral Separations." Kimberly A. Agnew-Heard, Montserrat Sanchez Pena, Shahab A. Shamsi, and Isiah M. Warner "Studies of Polymerized Sodium N-Undecylenyl L-Valinate in Chiral Micellar Electrokinetic Capillary Chromatography of Neutral, Acidic, and Basic Compounds." Judson L. Haynes, III, Frank O'Keefe and Raphael Darcey, Shahab A. Shamsi and Isiah M. Warner "Comparison of Cationic β -Cyclodextrins for the Chiral Separations of Phenoxy Propionic Acids, Non Steroidal Anti-Inflammatory Drugs and Dansylated Amino Acids in Capillary Zone Electrophoresis (CZE)." Michelle B. Young, Shahab A. Shamsi and Isiah M. Warner "Determination of the Critical Micelle Concentration of a Phosphated Surfactant Using Three Techniques." H. Hyacinthe Yarabe and Isiah M. Warner "Bile Acid Separations using Indirect Photometric Detection Capillary Electrophoresis." Crystal C. Williams, Debbie Tipton, Shahab A. Shamsi and Isiah M. Warner "Use of Dialysis to Estimate the Size and Effect of Enantiomeric Separation Using Poly (L-SUV) in MEKC.

48th Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, Atlanta, GA, March 16-21, 1997. Shahab A. Shamsi, Cevdet Akbay and Isiah M. Warner, "Polymeric Anionic Surfactant for Micellar Electrokinetic Chromatography (MEKC): Separation of 16 Priority Pollutant Polycyclic Aromatic Hydrocarbons (PAHs)." Kimberly A. Agnew-Heard, Montserrat Sanchez Pena, Shahab A. Shamsi, Isiah M. Warner, "Enantioseparation of Phenylthiohydantoin Amino Acids with Polymerized Sodium N-Undecylenyl L-Valinate in Micellar Electrokinetic Capillary Chromatography." Judson L. Haynes III, Shahab A. Shamsi, Frank O'Keefe Raphael Darcey and Isiah M. Warner "Comparison of Cationic β -Cyclodextrins for the Chiral Separations of Phenoxy Propionic Acids, Non-Steroidal Anti-Inflammatory Drugs and Dansylated Amino Acids in Capillary Zone Electrophoresis (CZE)." Crystal C. Williams, Joykrishna Dey, Shahab A. Shamsi, Richard Gandour, and Isiah M. Warner "Novel Cationic Chiral Micelles Used in MEKC." H. Hyacinthe Yarabe, Shahab A. Shamsi and Isiah M. Warner "Separation of bile Acids by Capillary Electrophoresis with Indirect UV Detection." Kimberly A. Agnew-Heard, Montserrat Sanchez Pena, Shahab A. Shamsi, and Isiah M. Warner "Studies of Polymerized Sodium N-Undecylenyl L-Valinate in Chiral Micellar Electrokinetic Capillary Chromatography of Neutral, Acidic, and Basic Compounds." Judson L. Haynes III, Shahab A. Shamsi, Joykrishna Dey, and Isiah M. Warner "Use of a New Diaminobutane Dendrimer (DABD) in Electrokinetic Capillary Chromatography." Crystal C. Williams, Debbie Tipton, Shahab A. Shamsi, and Isiah M. Warner "Use of Dialysis to Estimate the Size and Effect of Enantiomeric Separation Using Poly(L-SUV) in MEKC." Shahab A. Shamsi, Frank O'Keefe, Raphael Darcey, and Isiah M. Warner "Application of a Novel Cationic Cyclodextrin to Chiral Separations by Cyclodextrin Modified Capillary Zone Electrophoresis (CD-CZE)."

23rd Annual National Conference of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, Detroit, Michigan, April 8-13, 1996. Judson L. Haynes III, Joykrishna Dey and Isiah M. Warner, "Separations Using a Poly(amidoamine) Dendrimer." Kimberly A. Agnew, Montserrat Sanchez Pena, Shahab Shamsi, and Isiah M. Warner, "Enantioselectivity Using Capillary Electrophoresis with N-acylamino Acid Derivatives of Polymerized Chiral Micelles." Crystal C. Williams, Troy Alexander, Joykrishna Dey, Shahab Shamsi, and Isiah M. Warner, "Use of a Chiral Micelle Polymer for Chiral Separation by Micellar Electrokinetic Capillary Chromatography." Michelle T. Butterfield-Young, Rezik A. Agbaria, and Isiah M. Warner, "Fluorescence Studies of Chim Complexes." Eric L. Roberts, Joykrishna Dey, and Isiah M. Warner, "Ground and Excited-State Structures of 2-(2'-Hydroxyphenyl) Benazoles: Fluorescence and Induced Circular Dichroism Studies."

47th Pittsburgh Conference and Exposition on analytical Chemistry and Applied Spectroscopy, Chicago, Illinois, March 3-8, 1996. Shahab A. Shamsi, Neil D. Danielson, Isiah M. Warner, "Flavin Mononucleotide for Indirect Laser Induced Fluorescence Detection of Anions Separated by Capillary Electrophoresis." Michelle Butterfield-Young, Rezik A. Agbaria, Isiah M. Warner, "Fluorescence Studies of CHIM Complexes." Judson Haynes III, Joykrishna Dey, Isiah M. Warner "Separations Using a Novel Poly(amidoamine) Dendrimer." Crystal C. Williams, Joykrishna Dey, Isiah M. Warner "Use of a Chiral Micelle Polymer for Chiral Separation by Micellar Electrokinetic Capillary Chromatography." Rezik A. Agbaria, Montserrat Sanchez Pena, Isiah M. Warner "Conventional and Modified Liquid Membrane with Cyclodextrins and Modified Cyclodextrins as Carriers." Eric L. Roberts, Joykrishna Dey, Isiah M. Warner "Spectroscopic Investigation of Excited-State Intramolecular Proton Transfer Properties of Hydroxyphenylbenzazoles in Cyclodextrins." Joykrishna Dey, Judson L. Haynes III, Isiah M. Warner "Fluorescence Studies of the Structure and Microenvironment of Poly(amidoamines) Dendrimers."

The 46th Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, New Orleans, Louisiana, March 5-10, 1995. Roberts, E.L., Browner, N.C. and Warner, I.M., "Measurement of Modified Low-Density Lipoprotein Peroxidation Using Stopped-Flow Spectrophotometric Techniques." Zhang, Y., Agbaria, R.A., and Warner, I.M., "Spectroscopic Studies of Water-Soluble Sulfonated Calix(6)arene. Agnew, K.A., McCarley, T.D., Agbaria, R.A., and Warner, I.M., "Phase Transition and Termination of PPO/ γ -CD Self-Assembly Aggregates." Agbaria, R.A., Roberts, E.L., and Warner, I.M., "Evidence of Restricted Trans-Stilbene Photoisomerization in a Ternary Complex with γ -Cyclodextrin." Butterfield, M.T., Agbaria, R.A., and Warner, I.M., "Influence of Solid Cyclodextrins on the Stability of Polycyclic Aromatic

Hydrocarbons." Wang, J. and Warner, I.M., "Chiral Micelle Polymer for Chiral Separations by Micellar Electrokinetic Capillary Chromatography."

The 45th Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, Chicago, Illinois, February 27-March 4, 1994. Wang, J. and Warner, I.M., "Spectroscopic Studies of the Ternary Complexes Formed with γ -Cyclodextrin/Naproxen/Alcohols." Zhang, Y., Agbaria, R.A., and Warner, I.M., "Complexation Studies of Water-Soluble Calix(6)arene with Brilliant Cresyl Blue(BCB) and Auramine O." Zhang, Agbaria, R.A., and Warner, I.M.

The 44th Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, Atlanta, GA, March 7-12, 1993. Husain, N. and Warner, I.M., "Spectroscopic Analysis of the Interaction Between Doxorubicin and Human Alpha-1 Acid Glycoprotein." Mwalupindi, A. G. and Warner, I.M., "Cyclodextrin-Modified Solvent Extraction for Separation of Compounds." Wang, J. and Warner, I.M., "Spectroscopic Studies of Naproxen and β -Cyclodextrin Inclusion Complex." Will, Y. and Warner, I.M., "Influences of Chiral Alcohols on the Complexation of γ -Cyclodextrin."

The Sixth International Cyclo-Dextrin Symposium, Chicago, IL, April 21-24, 1992. Warner, I.M., Anigbogu, V., Schuette, J., Elliott, N. and Ndou, T.T. "Influence of Chiral and Fluorinated Alcohols on Cyclodextrin Complexes."

The Sixth International Cyclo-Dextrin Symposium, Chicago, IL, April 21-24, 1992. Warner, I.M., Anigbogu, V., Schuette, J., Elliott, N. and Ndou, T.T. "The Effects of Chiral Alcohols on the β -Cyclodextrin/Pyrene Complexes."

The 43rd Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, New Orleans, LA, March 9-13, 1992. Warner, I.M., "The Making of a Chemical Scientist: Can Women and Minorities Cope?" Schuette, J.M., Ndou, T.T. and Warner, I.M., "The Role of Alcohols in Cyclodextrin/Drug Complexation." Mwalupindi, A.G., Ndou, T.T., Marzilli, L.G. and Warner, I.M., "Characterization of Select Organic Analytes in a Reverse Micellar System with Lanthanide Counterions." Smith, V.K., Ndou, T.T. and Warner, I.M., "The Influence of Cyclodextrins on the Spectral Behavior of Catechin."

The 19th Annual WATTEC Interdisciplinary Technical Conference and Exhibition, Knoxville, Tennessee, February 18-21, 1992. Warner, I.M., Mwalupindi, A.G. and Ndou, T.T., "Environmental Applications of Lanthanide Counterions Bound to Reverse Micelles."

The 43rd Southeast Regional ACS Meeting, November 12-15, 1991, Richmond, Virginia. Warner, I.M., Anigbogu, V., Melhado, C. and Ndou, T.T., "Influence of Alcohols on Separations using a Cyclodextrin Mobile Phase."

The 13th Annual Eastern Analytical Symposium, Inc., November 11-15, 1991, Somerset, New Jersey. Warner, I.M., "Multidimensional Fluorescence Studies." Elliott, N.B., Prenni, A.J., Ndou, T.T. and Warner, I.M., "Complexation Studies of β -Cyclodextrin and Polyaromatic Hydrocarbons in a Microemulsion System." Husain, N., Ndou, T.T. and Warner, I.M., "The Interaction of the Anthracycline, Doxorubicin, with β - and γ -Cyclodextrins." Mwalupindi, A.G., Ndou, T.T. and Warner, I.M., "Characterization of Polyaromatic Hydrocarbons in a Reverse Micellar System with Lanthanide Counterions." Schuette, J.M., Ndou, T.T. and Warner, I.M., "Influence of Chiral and Achiral Alcohols upon the Chiral Recognition Properties of Cyclodextrins." Smith, V.K., Ndou, T.T. and Warner, I.M., "Circular Dichroism of Catechin in the Presence of Cyclodextrin." Wang, J., Ndou, T.T. and Warner, I.M., "Purification and Study of CNBr Fragments of HSA." Will, A.Y., Muñoz de la Peña, A., Ndou, T.T. and Warner, I.M., "The Effect of Tert-Butylamine on the Inclusion Complexes Formed with Pyrene and β -Cyclodextrin."

The 1991 Joint Meeting of FACSS XVIII and Pacific Conference, October 6-11, 1991, Anaheim, California. Warner, I.M., Schuette, J., Ndou, T. and Elliott, N., "Effects of Chiral and Fluorinated Alcohols on Cyclodextrin Complexation." Anigbogu, V.C., Collins, P., Martin, T., Ndou, T. and Warner, I.M., "Studies of β -Cyclodextrin Complexes of Substituted Anthracenes and Pyrenes using Reversed-Phase Liquid Chromatography." Anigbogu, V.C., Pemberton, R.L., Parker, S., Ndou, T. and Warner, I.M., "Studies of the Effects of Cyclopentyl and Tertiary-Butyl Compounds on the Formation of Pyrene β -Cyclodextrin Complexes using Reversed-Phase Liquid Chromatography." Mallory, D., Melhado, C., Anigbogu, V.C., Ndou, T. and Warner, I.M., "Separation of Cationic Metal Complexes of 1,10-Phenanthroline using Ion-Pair Liquid Chromatography." Melhado, C., Mallory, D., Anigbogu, V.C., Ndou, T. and Warner, I.M., "Separation of Cationic Metal Complexes of 8-Hydroxyquinoline by Ion-Pair Liquid Chromatography."

The 201st ACS National Meeting, Atlanta, GA, April 14-19, 1991. Warner, I.M., Zung, J.B., Muñoz de la Peña, A. and Ndou, T., "Comparison of Pyrene Complexes with β - and γ -Cyclodextrin." Ndou, T.T., Xin Jia, Sophianopoulos, A.J. and Warner, I.M., "The Complexation of Ephedrine in β -Cyclodextrin Cavity. A 1-D and 2-D NMR Spectroscopic Study." Smith, V.K., Ndou, T.T., Williamson, C.K. and Warner, I.M., "Spectral Studies of β -Cyclodextrin:Igepal CA720 Complexes." Schuette, J.M., Ndou, T.T. and Warner, I.M., "Cyclodextrins as Quenchers of Heterocyclic Fluorescence."

Mwalupindi, A.G, Ndou, T.T. and Warner, I.M., "Analytical Applications of Lanthanide Counterions Bound to Reverse Micelles." Elliott, N.B., Prenni, A.J., Ndou, T.T. and Warner, I.M., "Cyclodextrin-Aided Three-Dimensional Fluorescence Analysis of Polyaromatic Hydrocarbons in Motor Oils." Will, A.Y., Ndou, T. and Warner, I.M., "Fluorescence Studies of Pyrene: β - Cyclodextrin Inclusion Complexes using Triethanolamine in Aqueous Media." Husain, N., Ndou, T.T. and Warner, I.M., "Studies of the Interaction of the Anti-Cancer Drug Doxorubicin with β - Cyclodextrin."

The 42nd Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, Chicago, Illinois, March 4-8, 1991. Warner, I.M., "Fluorescence Studies of β - Cyclodextrin-Pyrene Complexes under Reversed-Phase Liquid Chromatography Conditions." Anigbogu, V.C., Ndou, T.T., Muñoz de la Peña, A. and Warner, I.M. "Fluorescence Studies of the Interaction between Doxorubicin (An Anthracycline) and Beta-Cyclodextrin." Husain, N., Ndou, T.T., Muñoz de la Peña A. and Warner, I.M. "Studies of Anthracene and Pyrene Complexes with β - Cyclodextrin Using Reversed-Phase Liquid Chromatography." Anigbogu, V.C., Ndou, T.T., Muñoz de la Peña, A. and Warner, I.M.

The 1990 SE/SW ACS Meeting, New Orleans, LA, December 5-7, 1990. Warner, I.M., Tarr, J.A., Williamson, C. and Ndou, T.T., "Bioanalytical Studies using Fluorescence Detected Circular Dichroism." Smith, V.K., Cummings, E.A., Ndou, T.T., Muñoz de la Peña, A. and Warner, I.M., "Fluorescence of Triton X-100 in β -Cyclodextrin Solutions." Mwalupindi, A.G., Blyshak, L.A., Ndou, T.T. and Warner, I.M., "Sensitized Room Temperature Phosphorescence (RTP) in Reverse Micelles using Lanthanide Probes as Acceptors." Cummings, E.A., Ndou, T.T., Smith, V.K. and Warner, I.M., "The Effects of Triton X-100 on β -Cyclodextrin:Pyrene Complexes."

Federation of Analytical Chemistry & Spectroscopy Societies 17th Annual Conference, Cleveland, Ohio, October 7-12, 1990. Warner, I.M., Tarr, J.A., Williamson, C., Ndou, T.T. and Tran, C.D., "Recent Developments in Multidimensional Fluorescence Detected Circular Dichroism." Schuette, J.M., Ndou, T.T., Muñoz de la Peña, A., Williamson, C. and Warner, I.M., "Investigation of β - Cyclodextrin/Acridine Complexation." Smith, V.K., Cummings, E.A., Ndou, T.T., Muñoz de la Peña, A., and Warner, I.M., "Studies of Surfactant: Cyclodextrin Complexes." Muñoz de la Peña, A., Ndou, T.T., Zung, J., and Warner, I.M., "Stoichiometry of Cyclodextrin Complexes of Pyrene in the Presence of Alcohols."

The 199th ACS National Meeting, Boston, MA, April 22-27, 1990. Warner, I.M., Zung, J.B. and Blyshak, L., "Analysis of Polyaromatic Hydrocarbons (PAHs) using Cyclodextrin and Micellar Chemistries."

The 5th International Symposium on Cyclodextrins, Paris, France, March 28-30, 1990. Warner, I.M., "Studies of Cyclodextrin Complexes in the Presence of Third Components."

The 41st Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, New York City, NY, March 5-9, 1990. Zung, J.B. and Warner, I.M., "Studies of Chemically Modified Cyclodextrin Complexes Using Fluorescence Probes."

The 1989 International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, December 17-22, 1989. Warner, I.M. and Blyshak, L., "Sensitized Phosphorescence Measurements Using Surfactant Counterions as Donors/Acceptors."

The 45th Southwest ACS Regional Meeting, Baton Rouge, Louisiana, December 6-8, 1989. Warner, I.M., Zung, J.B. and Blyshak, L.A., "Cyclodextrins as Analytical Reagents for Polyaromatic Hydrocarbons (PAHs)."

American Chemical Society, 198th National Meeting, Miami Beach, Florida, September 10-15, 1989. Warner, I.M., Nelson, G., Zung, J.B. and Smith, V., "Studies of Cyclodextrin Complexes in the Presence of Non-ionic Surfactants."

The 1989 Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, Atlanta, Georgia, March 6-10, 1989. Woodlee, R.L., Fuh, M. R. and Warner, I.M., "Effects of Pollutants on Marine Phytoplankton Measured by Multidimensional Fluorescence." Blyshak, L., and Warner, I.M., "Sensitized Phosphorescence in Reverse AOT/Naphthoate Micelles." Zung, J.B., Fuh, M. R., and Warner, I.M., "Application and Review of Fiber Optic Based Multidimensional Fluorometer."

The International Society for Optical Engineering (SPIE) Conference, Los Angeles, California, January 15-18, 1989. Zung, J.B., Woodlee, R.L., Fuh, M. R. and Warner, I.M., "Recent Developments and Applications of Multidimensional Fluorescence Spectroscopy."

The 27th Annual Eastern Analytical Symposium and Exposition, New York, New York, October 2-7, 1988. Warner, I.M. and Nelson, G., "Luminescence Probes of Cyclodextrin Complexes."

American Chemical Society, 196th National Meeting, Los Angeles, California, September 25-30, 1988. Warner, I.M. and Nelson, G., "Kinetic Studies of Cyclodextrin/Fluorophore Complexes." Fuh, M. R., Zung, J.B. and Warner, I.M., "Fiber Optic Based Multidimensional Fluorometer." Warner, I.M., "Multidimensional Luminescence."

The International Society for Optical Engineering (SPIE) Conference, Boston, Massachusetts, September 6-9, 1988. Zung, J.B., Woodlee, R.L., Fuh, M. R. and Warner, I.M., "Fiber Optic Based Multidimensional Fluorometer for Studies of Marine Pollutants."

The 43rd Northwest ACS Regional Meeting, Spokane, Washington, June 30-July 1, 1988. Warner, I.M. and Nelson, G., "Fluorescence of Cyclodextrin Complexes in the Presence of Third Components." Fuh, M. R., Tarr, M.A. and Warner, I.M., "The Effect of Alcohol Modifier on Reversed Phase HPLC with Cyclodextrin Columns."

4th International Symposium on Cyclodextrins, Munich, West Germany, April 20-22, 1988. Warner, I.M., "Fluorescence Studies of Cyclodextrin Complexes."

15th Annual NOBCChE National Conference, Philadelphia, PA, April 4-8, 1988. Warner, I.M., "Molecular Spectroscopy."

1988 Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy, New Orleans, LA, February 22-26, 1988. Blyshak, L.A., Fuh, M.R. and Warner, I.M., "Luminescence Studies in Nonconventional Micelles;" Fowler, K., Patonay, G., Nelson, G. and Warner, I.M., "Effects of Alcohols on Energy Transfer Between Ternary Cyclodextrin Complexes and Curoplum Ions;" Zung, J.B., Jerkunica, J.M., Warner, I.M., "The Effects of Alcohol Addition on Cyclodextrin Inclusion Complexes;" Tarr, M.A., Nelson, G., Patonay, G. and Warner, I.M., "The Influence of Mobile Phase Alcohol Modifiers on HPLC with Bonded Phase Cyclodextrin Columns;" Nelson, G., Patonay, G., Jerkunica, J.M. and Warner, I.M., "The Effect of Hydrogen Bonding Third Components on the Properties of Cyclodextrin Included Fluorophores."

FACSS XIV Annual Meeting, Detroit, Michigan, October 4-9, 1987. Wegrzyn, J., Patonay, G., Ford, M. and Warner, I.M., "A Compact Diode Array Spectrometer for Microbore LC;" Nelson, G., Patonay, G. and Warner, I.M., "Multidimensional Luminescence Studies in Organized Media."

National Bureau of Standards, Center for Analytical Chemistry, Gaithersburg, Maryland, Symposium on Accuracy in Trace-Analysis Accomplishments, Goals, Challenges, September 28-October 1, 1987. I.M. Warner, G.W. Nelson, G. Patonay, L. Blyshak and S.L. Neal, "Enhanced Multidimensional Luminescence Measurements Through Cyclodextrin Complexation."

American Chemical Society, 194th National Meeting, New Orleans, Louisiana, August 30-September 4, 1987. Wegrzyn, J., Patonay, G., Shelly, D.C., Ford, M.A., and Warner, I.M., "Detection of Polycyclic Aromatic Hydrocarbon Mixtures Using Capillary Liquid Chromatography with Multichannel Fluorescence Detection." Thomas, M.P., Patonay, G., and Warner, I.M., "Analysis of Drug Albumin Complexes Using Multidimensional Fluorescence Techniques." Nelson, G., Patonay, G., and Warner, I.M., "Study of Organized Media by Time-Resolved Luminescence Spectroscopy." Zung, J.B., Thomas, M.P., Patonay, G., and Warner, I.M., "Studies of Cyclodextrin Induced Chirality." Blyshak, L.A., Patonay, G., and Warner, I.M., "Photochemistry of Organic Counterions Bound to Micelles in Reverse Micellar Systems." Patonay, G., Fowler, K., Nelson, G., and Warner, I.M., "Studies of Energy Transfer Processes in Ternary Cyclodextrin Complexes."

National Organization of Black Chemists and Chemical Engineers, 14th Annual National Conference, San Francisco, California, April 13-18, 1987. Neal, S.L. and Warner, I.M., "Optimization Methods for Resolution of Multidimensional Spectroscopic Data;" Patonay, G., Fowler, K., Nelson, G. and Warner, I.M., "Investigation of Cyclodextrin Complex Formation Using Fluorescence Spectroscopy."

American Chemical Society, 193rd National Meeting, Denver, Colorado, April 5-10, 1987. Warner, I.M., Rollie, M.E. and Patonay, G., "Luminescence Studies Using Automated Sample Deoxygenation;" Wegrzyn, J.G., Patonay, G., Ford, M.A. and Warner, I.M., "Performance Characteristics of a Multichannel Fluorometer Using a Pulsed Xe Arc Light Source;" Neal, S.L., Davidson, E.R. and Warner, I.M., "Optimization Methods for Resolution of Multidimensional Spectroscopic Data;" Lin, H. S., Pau, C., Patonay, G. and Warner, I.M., "Fingerprinting Haemophilus Aegyptius and Haemophilus Influenzae Biotype III Using Multidimensional Fluorescence;" Thomas, M.P., Patonay, G. and Warner, I.M., "Investigation of Ligand Binding to Albumin Using Multidimensional Luminescence Techniques;" Pau, C., Plikaytis, B., Carlone, G. and Warner, I.M., "Purification of a Legionella Pneumophila Serogroup I Protein Antigen by High Performance Liquid Chromatography;" Nelson, G., Mitchell, V., Patonay, G. and Warner, I.M., "Enhanced Fluorescence Measurements Using Cyclodextrins;" Patonay, G., Fowler, K. and Warner, I.M., "Ternary Cyclodextrin Complexes in Mixed Solvents;" Blyshak, L.A., Patonay, G. and Warner, I.M., "Multidimensional Fluorescence Evaluation of Cyclodextrin Solvent Extraction Systems."

American Chemical Society, Southwest Regional Meeting, Houston, Texas, November 19-21, 1986. Warner, I.M., Thomas, M., Neal, S. and Patonay, G., "Multidimensional Fluorescence Detected Circular Dichroism: A New Approach to Studying Optically Active Fluorophores."

Eastern Analytical Symposium, New York City, October 20-24, 1986. Patonay, G., Rollie, M., Nelson, G., and Warner, I.M., "Optimization of Fluorescence Measurements."

Federation of Analytical Chemistry and Spectroscopy Societies, 13th Annual Meeting, St. Louis, Missouri, September 28-October 3, 1986. Warner, I.M., Nelson, G. and Patonay, G., "Evaluation of Multicomponent Systems in Using Time Correlated Photon Counting Measurements;" Lin, H. S., Pau, C., Patonay, G., Moss, C., Carlone, G., and Warner, I.M., "Differentiation of Bacteria Using Multidimensional Fluorescence Measurements of Enzyme Profiles;" Rollie, M.E., Patonay, G. and Warner, I.M., "Room Temperature Phosphorescence Measurement Using Automated Sample Deoxygenation;" Blyshak, L., May, W.E., Patonay, G. and Warner, I.M., "Determination of Cyclodextrin Formation Constants Using Dynamic Coupled Column Liquid Chromatography;" Nelson, G., Patonay, G. and Warner, I.M., "Fluorescence Lifetime Studies of the Cyclodextrin-PNA Equilibrium;" Patonay, G., Mitchell, G. and Warner, I.M., Effects of Quenchers on the Fluorescence of Cyclodextrin Complexes; Thomas, M., Patonay, G. and Warner, I.M., "Fluorescence Detected Circular Dichroism Studies on the Binding of Bilirubin to Mammalian Serum Albumins;" Neal, S.L. and Warner, I.M., "Multidimensional Data Analysis."

Presidential Young Investigator Symposium, Anaheim, California, September 9, 1986. Thomas, M., Patonay, G. and Warner, I.M., "Multidimensional Luminescence Measurements."

American Chemical Society, 192nd National Meeting, Anaheim, California, September 7-12, 1986. Blyshak, L., Patonay, G. and Warner, I.M., "Solvent Extraction of Polynuclear Aromatic Hydrocarbons Using Cyclodextrins."

National Organization of Black Chemists and Chemical Engineers, Thirteenth Annual Meeting, Atlanta, Georgia, April 22-25, 1986. Patonay, G., Mitchell, V., Shapira, A. and Warner, I.M., "Effects of Aliphatic Alcohols on the Fluorescence of Pyrene/Cyclodextrin Complexes;" Blyshak, L., Rossi, T., Patonay, G. and Warner, I.M., "Solvent Extraction of Polynuclear Aromatic Hydrocarbons Using Cyclodextrins;" Bright, V., Oldham, P., Patonay, G. and Warner, I.M., "A Submicron Filtration Method for Lowering Fluorescence Detection Limits for Algae;" Thomas, M., Patonay, G. and Warner, I.M., "Determination of Bilirubin Binding to Albumins by Fluorescence Detected Circular Dichroism;" Nelson, G., Patonay, G. and Warner, I.M., "A Study of the Effects of Selected Alcohols on Cyclodextrin Inclusion Complexes of Pyrene Using Fluorescence Lifetime Measurements;" Rollie, M., Williams, D., Patonay, G., Underwood, A. and Warner, I.M., "A Study of Nonconventional Micelles via Fluorescent Probes;" Neal, S. and Warner, I.M., "Spectral Resolution with External Constraints;" and Pau, C. and Warner, I.M., "An Evaluation of a Fourier-Transform Based Pattern Recognition Algorithm."

1986 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Atlantic City, New Jersey, March 10-14, 1986. Nelson, G., Patonay, G. and Warner, I.M., "A Study of the Fluorescence Lifetimes of Cyclodextrin Inclusion Complexes of Anthracene, Naphthalene and Their Derivatives;" Blyshak, L., Rossi, T., Patonay, G. and Warner, I.M., "A Study of Solvent Extraction of Polyaromatic Hydrocarbons Using Cyclodextrins;" Thomas, M., Patonay, G. and Warner, I.M., "Mixture Analysis by Fluorescence Detected Circular Dichroism;" Neal, S.L. and Warner, I.M., "Spectral Resolution Using Quadratic Programming;" Rollie, M.E., Patonay, G. and Warner, I.M., "Automated Sample Deoxygenation and its Application;" Patonay, G., Shapira, A., Blyshak, L. and Warner, I.M., "Effects of Nonaqueous Solvents on the Fluorescence of Pyrene/Cyclodextrin Complexes."

Eastern Analytical Symposium, New York City, November 19-22, 1985. Warner, I.M., Thomas, M. and Patonay, G., "Multidimensional Fluorescence Detected Circular Dichroism;" Warner, I.M., Rossi, T., Pau, C. and Patonay, G., "Bacterial Fingerprinting Using Multiparameter Fluorescence Techniques."

Federation of Analytical Chemistry and Spectroscopy Societies, 12th Annual Meeting, Philadelphia, September 29-October 4, 1985. Oldham, P.B., Patonay, G. and Warner, I.M., "Evaluation of AC Stabilization of DC Arc Lamps for Spectroscopic Applications;" Thomas, M., Patonay, G., and Warner, I.M., "Comparison of Circular Dichroism and Fluorescence Detected Circular Dichroism;" Oldham, P.B., Zillioux, E.J., and Warner, I.M., "Fluorescence Fingerprinting of Marine Algae;" Rollie, M.E., Patonay, G., Underwood, A.L. and Warner, I.M., "Effect of Organic Counterions on Micelles;" Patonay, G., Shapira, N., and Warner, I.M., "Fluorescence Studies of Cyclodextrin Inclusion Complexes in Mixed Aqueous-Organic Solvents;" and Neal, S.L. and Warner, I.M., "Modified Factor Analysis Spectral Resolution Algorithm."

National Organization of Black Chemists and Chemical Engineers, Twelfth Annual Meeting, St. Paul, Minnesota, May 22-25, 1985.

Patonay, G., Rollie, M.E., Dodson, K. and Warner, I.M., "Fluorescence Studies in Aqueous Solutions Using α -, β -, γ -Cyclodextrins and Micelles.

1985 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, New Orleans, February 25-March 1, 1985. Patonay, G., Diamond, P., and Warner, I.M., "Fluorescence Quenching Studies of Pyrene in Aqueous Solution Using α -, β -, γ -Cyclodextrins."

National Organization of Black Chemists and Chemical Engineers, Eleventh Annual Meeting, Houston, April 25-28, 1984. Neal, S.L., Thomas, M., Patonay, G., Ho, C. N., and Warner, I.M., "Resolution of Multicomponent-Matrix Formatted Fluorescence Detected Circular Dichroism Data; and Timmons, K., Karlesky, D., Johnson, E., and Warner, I.M., "Desorption Efficiencies of Vapor Phase Polynuclear Aromatic Compounds on Solid Adsorbents."

American Chemical Society, 187th National Meeting, St. Louis, Missouri, April 8-13, 1984. Rollie, M.E., Patonay, G., Shah, M., Warner, I.M., "Enhanced Luminescence Analysis Using Chemical Deoxygenation and Flow Injection Analysis;" Dodson, K., Fogarty, M.P., Ho, C. N., Shah, M., Warner, I.M., "Preferential Quenching of Selected Polynuclear Aromatic Compounds;" Oldham, P., Patonay, G., Warner, I.M., "Improved Method for Stabilization of High Pressure Xenon Arc Lamp;" Thomas, M., Patonay, G., Simpson, O., Warner, I.M., "Design and Evaluation of a Rapid Scanning Fluorescence Detected Circular Dichroism Spectrometer;" Patonay, G., Warner, I.M., "Fluorescence Studies of Polynuclear Aromatic Inclusion Complexes α -, β -, γ -cyclodextrins in Non-Aqueous Solvents;" Rossi, T.M., Warner, I.M., "Rank Determination of Emission Excitation Matrices via Fourier Transformation of Eigenvectors;" Neal, S., Ho, C. N., Warner, I.M., "Qualitative Analysis of Multicomponent Fluorescence Detected Circular Dichroism Data;" Karlesky, D., Ho, C. N., Kennedy, J.R., and Warner, I.M., "Prediction of HPLC Retention Indices of Polynuclear Aromatic Compounds on Nitrogen Containing Normal Phase Packing Materials;" and Timmons, K., Karlesky, D., Johnson, E., and Warner, I.M., "Desorption Efficiencies of Vapor Phase Polynuclear Aromatic Compounds on Solid Adsorbents."

American Chemical Society, 35th Southeast Regional Meeting, Charlotte, North Carolina, November 9-11, 1983. Rollie, M.E., Ho, C. N. and Warner, I.M., "Optimization of a Deoxygenation System for Luminescence Analysis."

National Organization of Black Chemists and Chemical Engineers, Tenth Annual Meeting, Knoxville, Tennessee, May 25, 1983. Rollie, M.E., Ho, C. N. and Warner, I.M., "Novel Degassing Method Using Flow Injection Analysis."

American Chemical Society, 185th National Meeting, Seattle, Washington, March 20-25, 1983. Oldham, P.B. and Warner, I.M., "Design and Evaluation of a Compact Multichannel Fluorometer;" Rossi, T.M. and Warner, I.M., "Applications of Fourier Transform Data Analysis to Video Fluorometry;" Kennedy, J.R., Somayajulu, G., Ho, C. N. and Warner, I.M., "A Triatomic Method for Estimation of Gas Chromatographic Retention Indices;" and Ho, C. N. and Warner, I.M., "Data Reduction Strategies for Interpretation of Multicomponent Fluorescence Detected Circular Dichroism Data."

American Chemical Society, 34th Southeast Regional Meeting, Birmingham, Alabama, November 3-5, 1982. Rossi, T. and Warner, I. M., "Image Analysis Techniques for Data Reduction in Two-Dimensional Fluorescence Spectroscopy;" and Oldham, P.B., Wong, M., Ho, C. N. and Warner, I.M., "A High Speed Parallel Interface for a PAR Multichannel Detector Controller and a HP9845 Minicomputer."

Labcon '82, Chicago, September, 1982. Shelly, D.C., Rossi, T. and Warner, I.M., "Multiple Solvent Extraction System Using Flow Injection Technology."

1982 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Atlantic City, New Jersey, March 8-13, 1982. Oldham, P.B., Sweet, S., Wong, M.A., Ho, C. N. and Warner, I.M., "Design and Applications of a Compact Microcomputer Controlled Multichannel Fluorometer;" Rossi, T., Warner, I.M., and Quarles, J.M., "Analytical Studies of Cancer Cell Metabolites;" Karlesky, D., Ramelow, G. and Warner, I.M., "Determination of Particulate and Vapor Phase Polynuclear Aromatic Compounds in Air;" and Ueno, Y., Evans, R. and Warner, I.M., "Quantitative Evaluation of Gas Adsorption Efficiency of Solid Adsorbents for Air Sampling."

American Chemical Society, 37th Southwest Regional Meeting, San Antonio, Texas, December 9-11, 1981. Ho, C. N. and Warner, I.M., "Selected Applications of Multidimensional Phosphorimetry;" and Oldham, P., Wong, M., Rossi, T., Ho, C. N. and Warner, I.M., "Utility of a Microcomputer-Controlled Rapid Scanning Spectrometer for HPLC Detection and Chemical Kinetic Studies."

American Chemical Society, 182nd National Meeting, New York City, August 24-28, 1981. Rossi, T., Shelly, D.C. and Warner, I.M., "Optimizing the Performance of a Multiple Solvent Extraction Flow Injection Analysis System."

American Chemical Society, 181st National Meeting, Atlanta, Georgia, March 29-April 3, 1981. Fogarty, M.P. and Warner, I.M., "Quenching in Multi Dimensional Fluorometry;" and Karlesky, D., Shelly, D.C. and Warner, I.M., "Investigation of Separation Mechanisms in the Normal and Reversed Phase Separation of Polynuclear Aromatic Hydrocarbons on an Amino Bonded Phase Column."

1981 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Atlantic City, New Jersey, March 9-13, 1981. Karlesky, D., Ramelow, G., Warner, I.M., and McFarland, A.R., "An Integrated Analysis Scheme for the Determination of Polynuclear Aromatic Hydrocarbons in Air Particulates;" Shelly, D.C., Rossi, T. and Warner, I.M., "Multiple Solvent Extraction Using Flow Injection Technology;" and Fogarty, M.P. and Warner, I.M., "Spectral Correction of the Emission-Excitation Matrix."

American Chemical Society, SE/SW Regional Meeting, New Orleans, December 10-12, 1980. Fogarty, M.P. and Warner, I.M., "Critical Evaluation of Fluorescence Quenching as an Aid in Fluorescence Spectral Deconvolution;" and Shelly, D.C., Coindreau, K., Quarles, J.M. and Warner, I.M., "Fingerprinting of Pathogenic Bacteria Using Mixtures of Fluorescent Dyes."

Second Chemical Congress of the North American Continent, Las Vegas, Nevada, August 24, 1980. Fogarty, M.P., Shelly, D.C., Wittnebel, K. and Warner, I.M., "Quantitative Identification of Fluorescent Species in Ash Samples from Crude Oil Using a Video Fluorometer as a Detector for HPLC."

Seventh Annual Convention of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, Washington, DC, April 30-May 3, 1980. Warner, I.M., "A Dedicated Minicomputer for Data Processing in a Fluorescence Laboratory," and "Evaluation of an Ultrasil Amine Column for HPLC Resolution of Polynuclear Aromatics."

Twelfth Annual Symposium on Advanced Analytical Concepts for the Clinical Laboratory, Oak Ridge, Tennessee, April 24-25, 1980. Shelly, D.C., Warner, I.M. and Quarles, J.M., "Multiparameter Approach to the 'Fingerprinting' of Fluorescent Pseudomonads."

1980 Pittsburgh Conference, Atlantic City, New Jersey, March 13, 1980. Warner, I.M., Fogarty, M.P., "A Comparison of Two Algorithms for Spectral Deconvolution of the Emission-Excitation Matrix Using a Minicomputer."

American Chemical Society, 35th Southwest Regional Meeting, Austin, Texas, December 5-7, 1979. Warner, I.M. and Bier, D.L., "An Evaluation of Selective Fluorescence Quenching as an Analytical Tool;" Shelly, D.C., Quarles, J.M. and Warner, I.M., "Rapid Identification and Differentiation of Fluorescent Pseudomonas Species;" Ilger, W.A. and Warner, I.M., "Analysis of Shale Oil and Texas Lignite Liquefaction Products for Polynuclear Aromatics;" and Fogarty, M.P. and Warner, I.M., "Rapid Scanning Data Processing with a Minicomputer: The HP9845."

Texas Branch of the American Society for Microbiology, Annual Meeting, Fort Worth, Texas, October 2, 1979. Shelly, D.C., Quarles, J.M. and Warner, I.M., "Rapid Identification and Differentiation of Fluorescent Pseudomonas Species by Video Fluorometry."

National Organization of Black Chemists and Chemical Engineers, Sixth Annual Meeting, Houston, Texas, April 18-21, 1979. Warner, I.M. and Fogarty, M.P., "A New Analytical Technique for Initiating and Probing Photochemical Reactions."

American Chemical Society, Southwest Regional Meeting, Corpus Christi, Texas, November 29-December 1, 1978. Warner, I.M., Fogarty, M.P. and Shelly, D.C., "Design Considerations for a Two-Dimensional Rapid Scanning Fluorometer;" Marshall, L.B., Fogarty, M.P. and Warner, I.M., "An Evaluation of Quenching in the Emission-Excitation Matrix;" Fogarty, M.P. and Warner, I.M., "A New Probe for Luminescing Photochemical Reactions;" Shelly, D.C. and Warner, I.M., "The Excitation-Emission Matrix as a Two-Dimensional Fingerprint;" and Shelly, D.C., Maberry, T.L. and Warner, I.M., "Rapid Scanning Fluorescence Analysis of Environmental Pollutants."

American Chemical Society, Northwest Regional Meeting, Portland, Oregon, June 15-17, 1977. Ho, C. N., Warner, I.M., Callis, J.B., Davidson, E.R. and Christian, G.D., "Optimization Techniques for Multicomponent Fluorescence Analysis."

Third International Conference on Pattern Recognition Applied to Oil Identification, Coronado, California, November 11-12, 1976. Warner, I.M., Callis, J.B., Davidson, E.R. and Christian, G.D., "Oil Characterization by Multicomponent Fluorescence Analysis."

Symposium on Image Detectors in Analytical Chemistry, Federation of Analytical Chemistry and Spectroscopy Societies, Third Annual Meeting and Nineteenth Colloquium Spectroscopium Internationale and Sixth International Conference on Atomic Spectroscopy, Philadelphia, November 14-19, 1976. Christian, G.D., Warner, I.M., Callis, J.B. and Davidson, E.R., "Rapid Scanning Fluorescence Spectroscopy in Analytical Chemistry."

Centennial American Chemical Society Meeting, San Francisco, August 29-September 3, 1976. Warner, I.M., Callis, J.B., Davidson, E.R. and Christian, G.D., "New Data Reduction Strategies for Multicomponent Fluorescence Analyses;" Johnson, D.W., Warner, I.M., Callis, J.B. and Christian, G.D., "Data Acquisition with a Rapid Scanning Video Fluorometer."

Eighth Annual Symposium on Advanced Analytical Concepts for the Clinical Laboratory, sponsored by the Oak Ridge National Laboratory and the National Institute of General Medical Sciences, March 25-26, 1976. Warner, I.M., Callis, J.B., Davidson, E.R. and Christian, G.D., "Multicomponent Analysis in Clinical Chemistry by Use of Rapid Scanning Fluorescence Spectroscopy."

Thirtieth Symposium on Molecular Structure and Spectroscopy, sponsored by the Department of Physics, the Graduate School of the Ohio State University, Columbus, Ohio, and the National Science Foundation, June 16-20, 1975. Warner, I.M., Callis, J.B., Davidson, E.R., Gouterman, M. and Christian, G.D., "Fluorescence Analysis with a Video Fluorometer."