

CURRICULUM VITAE

ROGER M. LEBLANC
PROFESSOR

DEPARTMENT OF CHEMISTRY
UNIVERSITY OF MIAMI

SEPTEMBER 8, 2014

PERSONAL DATA	3
ACADEMIC DEGREES.....	3
ACADEMIC EXPERIENCE	4
HONOR SOCIETIES.	12
AWARDS AND FELLOWS.....	13
REFEREE OF SCIENTIFIC MANUSCRIPTS	15
MEMBER OF SCIENTIFIC SOCIETIES.....	19
SUPERVISOR OF M.Sc. AND Ph.D.	20
LIST OF RESEARCH CONTRIBUTIONS	
- REFEREED JOURNAL PUBLICATIONS	27
- CONFERENCE PRESENTATIONS	69
- INVITED SPEAKERS.....	107
FUNDING SOURCE AND TITLE OF RESEARCH	
- UNIVERSITY OF MIAMI	129
- UNIVERSITE DU QUEBEC A TROIS-RIVIERES.....	132
• INDIVIDUAL	132
• TEAM	141
• GROUP	144
• RESEARCH CENTER.....	146

PERSONAL DATA

BIRTH PLACE : Trois-Rivières (Québec), CANADA

POSITION : Professor

ADDRESS : Department of Chemistry
University of Miami
P.O. Box 249118
1301 Memorial Drive, Suite 315
Coral Gables, Florida 33124-0431

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FAX : (305) 284-6367

E – MAIL ADDRESS : RML@MIAMI.EDU

ACADEMIC DEGREES

Degree	Institution	Country	Discipline	Year
Postdoctoral Fellow	Davy Faraday Research Lab., The Royal Institution of Great Britain (London), Supervisor: Prof. G. Porter, F.R.S.	England	Physical Chemistry	1968-1970
Ph.D.	Université Laval	Canada	Physical Chemistry	1968
B.Sc.	Université Laval	Canada	Chemistry	1964

ACADEMIC EXPERIENCE

ACADEMIC AND RESEARCH EXPERIENCE

- 2013 Oct - ... : Chairman, Department of Chemistry
University of Miami, Coral Gables, FL, USA
- 2005 - ... : Senior Fellow of the University of Miami Center on Aging (COA)
University of Miami, Coral Gables, FL, USA
- 1994 - ... : Professor (Physical Chemistry)
Department of Chemistry
University of Miami, Coral Gables, FL, USA
- 1995 - ... : Professor (Second Appointment)
Department of Dermatology and Cutaneous Surgery
School of Medicine, University of Miami, FL, USA
- 1996 - ... : Professor (Second Appointment)
Department of Physics
University of Miami, Coral Gables, FL, USA
- 1998 – 2002 : Director
University of Miami Center for Advanced Microscopy (UMCAM)
University of Miami, Coral Gables, FL, USA
- 1999 - 2002 : Center Investigator
HIEHS Marine and Freshwater Biomedical Science Center
Rosenstiel School of Marine and Atmospheric Science
University of Miami, Coral Gables, FL, USA
- 1994 - 2002 : Chairman
Department of Chemistry,
University of Miami, Coral Gables, FL, USA
- 1970-1993 : Professor (Physical Chemistry)
Department of Chemistry and Biology
Université du Québec à Trois-Rivières
- 1992 : Visiting Professor (4 months)
Center for Surface Science & Engineering
University of Florida, Gainesville, FL, USA
- 1991 : Visiting Professor (3 months)
Centre de Recherche Paul Pascal/CNRS
Université Bordeaux I, Pessac, France
- 1981-1991 : Director
Photobiophysics Research Center
Université du Québec à Trois-Rivières

1971-1975	:	Chairman Department of Chemistry and Biology Université du Québec à Trois-Rivières
1972-1993	:	Masters' Supervisor Department of Physics Université du Québec à Trois-Rivières
1980-1993	:	Ph.D. Supervisor Department of Chemistry Université Laval
1973-1993	:	Ph.D. Supervisor Department of Biophysics Université de Sherbrooke

ASSOCIATE EDITOR

1993-2004	:	Canadian Journal of Botany
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EDITOR AND EDITORIAL ADVISORY BOARD

2014-present	:	Colloids and Surfaces B: Biointerfaces (Editorial Advisory Board)
2014-present	:	Journal of Parkinson's Disease and Alzheimer's Disease (Editorial Board)
1998-2014	:	Colloids and Surfaces B: Biointerfaces (Editor)
2010-present	:	Analytical and Bioanalytical Chemistry (Editorial Advisory Board)
2007-present	:	The Open Inorganic Chemistry Journal (Editorial Advisory Board)
2007-present	:	Recent Patents on Material Science (Editorial Advisory Board)
1996-2000	:	Journal of Biological Systems

MEMBER OF COMMITTEES (NSF¹, NSERC², FONDS FCAR³ AND NRC⁴)

2012	:	Excellence Prize of the Fonds de Recherche Nature et Technologies (Quebec)
2012	:	1 st International Colloids and Materials Symposium
2012	:	IC ANMBES

2011	:	NSF US-China ASBIT
2010	:	NSF Chemical, Bioengineering, Environmental and Transport Division, Electrochemical
2010	:	NSF Chemical, Bioengineering, Environmental and Transport Division, Electrochemistry Biosensing
2009	:	NSF IGERT Program
2009	:	NSF Chemistry/Molecular and Cellular Biosciences
2009	:	NSF Unsolicited Proposals in Biosensing
2008	:	NSF Chemical, Bioengineering, Environmental and Transport Division, Carrier Panels
2007	:	NSF Small Business Innovation Research Program
2003 - 2006	:	Strategic Regroupment Program for the Education Ministry (Quebec)
2003	:	NSF Sensors and Sensor Network Evaluation Panel
2002-2004	:	Canadian Foundation for the Scientific Innovation (NSERC ² and FCAR ³)
1998-2000	:	Canadian Foundation for the Scientific Innovation (NSERC ² and FCAR ³)
1996	:	Chemistry Division Panel Review on Nov. 7-8 (1996) of Proposals to the NSF Research Experiences for Undergraduates (REU) Program
1992-1994	:	Strategic Grants Selection Committee (Energy and Mineral Resources) NSERC
1990-1991 Chairman	:	Operating Grants Selection Committee (Analytical and Physical Chemistry) NSERC
1989-1990	:	Operating Grants Selection Committee (Analytical and Physical Chemistry) NSERC
1988-1989	:	Operating Grants Selection Committee (Chemistry) NSERC
1985-1989	:	Joint Committee NSERC - Fonds FCAR

1985-1989	:	Administration Council Fonds FCAR
1982-1985	:	Consultative Committee for the National Research Development Program NSERC
1982-1983	:	Operating Grants Selection Committee (Cell Biology and Genetics) NSERC
Chairman		
1980-1982	:	Operating Grants Selection Committee (Cell Biology and Genetics) NSERC
1984-1987	:	Comité d'appréciation de la chimie et de la physique dans le cadre des demandes de subventions "Équipes et Séminaires" Fonds FCAR
1985	:	Exchange Program between Canada and France NRC ⁴
1984	:	Workshop for Selected NSERC Grantees NSERC
1983	:	Ad hoc Committee for a Strategic Grant Application at the University of Western Ontario NSERC
1979-1982	:	Comité d'évaluation des demandes de bourses d'étude et de perfectionnement de l'enseignement supérieur en chimie du DGES Ministère de l'éducation
1980-1981	:	Ad hoc Committee for an Equipment Grant Application (SEM) at the Université Laval NSERC
1976-1979	:	Comité d'appréciation de la chimie et de la physique dans le cadre des demandes de subvention du Fonds FCAR Ministère de l'éducation
1978	:	Ad hoc Committee for an Equipment Grant Application (Synchrotron Beam Line) at Aladdin (Wisconsin) NSERC

- .
- 1 National Sciences Foundation (U.S.A.)
 - 2 Natural Sciences and Engineering Research Council of Canada
 - 3 Formation de Chercheurs et L'Aide à la Recherche
 - 4 National Research Council of Canada

MEMBER OF COMMITTEES

- 1991-2000 : Membre du Haut Conseil pour l'attribution du Prix MOHAMMED EL FASI
Association des universités partiellement ou entièrement de langue française (AUPELF)
- 1988-2000 : Haut Conseil
Association des universités partiellement ou entièrement de langue française (AUPELF)
- 1985-2000 : Membre du Conseil Scientifique de L'AUPELF/UREF
1989 : Comité de sélection du candidat pour le prix Léo-Pariseau
Association canadienne-française pour l'avancement des sciences (ACFAS)
- 1989 : Steacie Lecture Award Selection Committee
Canadian Society for Chemistry
- 1987 : Steacie Lecture Award Selection Committee
The Chemical Institute of Canada
- 1982-1985 : Noranda Lecture Award Selection Committee
The Chemical Institute of Canada
- 1984 : Comité de sélection du candidat pour le prix Léo-Pariseau
Association canadienne-française pour l'avancement des sciences (ACFAS)

COMMITTEE MEMBER FOR THE ORGANIZATION OF NATIONAL AND INTERNATIONAL CONFERENCE

- 2003-2004 : International Advisory Committee (IAC) for the 15th Surfactants in Solution (SIS) Symposium (Fortaleza, Brazil, June 6-11, 2004)
- 2000 : Scientific and Technical Program Committee for the 13th International Symposium on Surfactants in Solution (SIS-2000) (Gainesville, FL, University of Florida, June 11-16)
- 1999 : Symposium on Self-Assembly and Langmuir-Blodgett Film
Organizer Technology for Chemi- and Biosensors. Southeast Regional Meeting of the American Chemical Society (SERMACS - 99) (Hyatt Regency Hotel, Knoxville, TN, October 17-20)
- 1992 : Vice Chairman of Organizing Committee for the Bionic Design International Workshop : Reconstruction of Biological Functions and Structures (Tsukuba, Japan, January 29-30, 1992)
- 1991-1993 : Conference for the Sixth International Conference on Organized
Organizer Molecular Films (Trois-Rivières, Canada, July 4-9, 1993)
- 1990-1991 : International Committee for the Fifth International Conference on Langmuir-Blodgett Films (Paris, France, August 26-30, 1991)
- 1989-1994 : Conseil Scientifique des Jounées d'Electrochimie (France)
- 1988-1989 : The 1989 International Chemical Congress of Pacific Basin Societies (December 17-22, 1989)
- 1988-1989 : International Committee for the Fourth International Conference on Langmuir-Blodgett Films (Tsukuba, Japan, April 24-29, 1989)
- 1983-1989 : Canadian National Committee for the International Union of Pure and Applied Biophysics (CNC/IUPAB)
- 1988 : Comité du programme relatif au 7e Symposium international sur les tensioactifs en solution (Ottawa, Canada, 2-7 octobre, 1988)
- 1987-1988 : A half-day symposium co-sponsored by the Biophysical
Organizer Society of Canada (BSC) and the Canadian National Committee for the International Union of Pure and Applied Biophysics (CNC/ IUPAB) (June 15-18, 1988)
Canadian Federation of Biological Societies (CFBS)

- 1986-1987 : International Committee for the Fifth Topical Meeting on Photoacoustic and Photothermal Phenomena (July 27-30, 1987)
- 1986-1987 : International Committee for the Third Conference on Langmuir-Blodgett Films (Gottingen, Germany, July 26-31, 1987)
- 1986 : Sixth International Conference on Photochemical Conversion and Storage of Solar Energy : "Photochemistry in organized media" (July 20-25, 1986)
- 1985-1986 : A half-day symposium co-sponsored by the Biophysical Society of
Organizer Canada (BSC) and the Canadian National Committee for the International Union of Pure and Applied Biophysics (CNC/ IUPAB) (June 16-20, 1986)
Canadian Federation of Biological Societies (CFBS)
- 1984-1985 : International Committee for the Fourth Topical Meeting on Photoacoustic, Thermal and Related Sciences (August 4-8, 1985)
- 1984-1985 : International Committee for the Second Conference on Langmuir-Blodgett Films (Schenectady, U.S.A., July 1-4, 1985)

MEMBER OF

- 1994 - 2004 : Coordinate - Expert Council of International Program for Russian Universities "Advanced Organic Materials for Molecular Electronics" as foreign experts
- 1991-1994 : Comité de Prospective politique
Ordre des chimistes du Québec (OCQ)
- 1992-1993 : Chairman
Biophysical Society of Canada
- 1990-1992 : Vice-Chairman
Biophysical Society of Canada
- 1982-1991 : Comité de formation
Ordre des chimistes du Québec (OCQ)
- 1986-1990 : Council Biophysical Society of Canada (BSC)

- 1989 : Comité d'évaluation relatif au Programme institutionnel de support aux groupes d'excellence en recherche de l'Université de Sherbrooke
- 1982-1992 : Canadian Picosecond Laser Flash Photolysis and Spectroscopy Centre
Concordia University
- 1985-1988 : Executive Meeting of the Division of Physical and
Secretary Theoretical Chemistry
Chemical Institute of Canada
- 1987 : Comité de consultation publique sur la biologie végétale au Québec. Session plénière 1 : "La recherche fondamentale" (May 8, 1987)
Conseil de la science et de la technologie
- 1987 : Conference on Research in Small Universities : "Focus on Natural Sciences and Engineering Research" (April 9-10, 1987)
Laurentian University
- 1982-1985 : Canadian Chapter Committee
U.S. Biophysical Society

HONOR SOCIETIES

PHI BETA DELTA The National Honor Society for International Scholars: Member
as an outstanding Faculty/Chair/Administrator Scholar.

1996

SIGMA XI University of Miami Chapter Sigma Xi. The Scientific Research
Society.

1995

AWARDS AND FELLOWS

- Cooper Fellowship from the College of Arts & Sciences at the University of Miami in recognition of the excellence in contributing to the core missions of scholarship, teaching and service

2011-2013
- The “2006 Florida Award” of the American Chemical Society (in recognition of the significant and meritorious achievements of prominent Florida Scientists) Presented at the FAME 2006 on May 12

2006
- The Society of Physical Chemists of Serbia awards Professor Roger M. Leblanc Honorary Membership of the Society for his contribution to the development of Physical Chemistry (Presented on September 26, 2002)

2002
- Provost’s Award for Scholarly Activity (In recognition for excellence in research, March 5th, presented by the Provost)

2002
- Corresponding Member of the Societe Royale des Sciences de Liege, Belgique (Presented on January 24, 2002)

2002
- Research Grant Award from the Society of Cosmetic Chemists, Florida Chapter (In recognition for his innovative research work on photoacoustic spectroscopy applied to skin)

1999
- Excellence in chemistry. The Chemistry Department and the College of Arts and Sciences recognizes Professor Roger M. Leblanc for Exemplary Scientific Advancements and Departmental Leadership

1999
- PLAQUE presented to Professor Roger Leblanc in recognition and appreciation for contributions to the chemistry department as chairman (April 5, presented by the Chemistry Club)

1997
- ROGER M. LEBLANC SCHOLARSHIP (In recognition of Dr. Roger M. Leblanc's exceptional contribution for the development of graduate studies in Biophysics. This scholarship was instituted in his name at the University of Québec at Trois-Rivières)

1993
- GOVERNOR GENERAL MEDAL (The commemorative medal for the 125th anniversary of the Confederation of Canada is conferred in recognition of significant contribution to compatriots, community and to Canada, by Governor General of Canada)

1993
- HONORARY PROFESSOR OF JILIN UNIVERSITY (Jilin Changchun, P.R. of China)

1992
- JOHN-LABATT LIMITED AWARD OF THE CANADIAN SOCIETY FOR CHEMISTRY (In recognition of outstanding achievement in the field of biochemical or organic chemical research with particular emphasis on biological systems)

1992

- UNIVERSITY MERIT MEDAL (First recipient of University Merit Medal among 350 professors of all disciplines at the University of Québec at Trois-Rivières, for excellent academic activities) 1987
- BARRINGER AWARD FROM THE SPECTROSCOPY SOCIETY OF CANADA (In recognition for the distinguished achievement in the application of spectroscopy and/or development of spectroscopic instrumentation) 1983
- NORANDA AWARD FROM THE CHEMICAL INSTITUTE OF CANADA (In recognition of distinguished contribution in the field of Physical Chemistry for a scientist who has not reached the age of 40) 1982
- FELLOW OF THE CHEMICAL INSTITUTE OF CANADA 1980
- VINCENT PRIZE FROM FRENCH-CANADIAN ASSOCIATION FOR ADVANCEMENT OF SCIENCES (ACFAS) 1978
- FELLOW OF THE NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL OF CANADA
- Postdoctoral Fellow 1968-1970
- Postgraduate Fellow 1964-1968
- SCHOLARSHIP FROM YOUTH MINISTRY OF QUEBEC 1964-1968
- SIR WILLIAM PRICE AWARD 1963-1965
- ALLIED CHEMICAL PRIZE 1962-1963
- FRANCE GOVERNMENT PRIZE 1962-1963

REFeree OF SCIENTIFIC MANUSCRIPTS (SINCE 1979)

- ADVANCED FUNCTIONAL MATERIALS
- ADVANCES ON COLLOID AND INTERFACE SCIENCE
- ADVANCED MATERIALS
- ANALYTICAL BIOCHEMISTRY
- ANALYTICAL CHEMISTRY
- ANALYTICAL METHODS
- ANALYTICAL SCIENCES
- ANALYTICA CHIMICA ACTA
- ANGEWANDTE CHEMIE
- APPLIED MATERIALS AND INTERFACES
- APPLIED PHYSICS LETTERS
- APPLIED SPECTROSCOPY
- APPLIED SURFACE SCIENCE
- BIOCHEMISTRY
- BIOCONJUGATE CHEMISTRY
- BIOCHIMICA BIOPHYSICA ACTA
- BIOLOGICAL PROCEDURES ON LINE
- BIOMACROMOLECULES
- BIOMATERIALS
- BIOMEDICAL MICRODEVICES
- BIOPOLYMERS
- BIOORGANIC & MEDICINAL CHEMISTRY LETTERS
- BIOTECHNOLOGY PROGRESS
- BIOPHYSICAL JOURNAL
- BOTANICA ACTA
- CANADIAN JOURNAL OF BIOCHEMISTRY AND CELL BIOLOGY
- CANADIAN JOURNAL OF BOTANY
- CANADIAN JOURNAL OF CHEMISTRY
- CANADIAN JOURNAL OF MICROBIOLOGY
- CANADIAN JOURNAL OF PHYSICS
- CANADIAN JOURNAL OF SPECTROSCOPY
- CHEMICAL COMMUNICATIONS

- CHEMICAL PHYSICS LETTERS
- CHEM PHYS CHEM
- CHEMISTRY – A EUROPEAN JOURNAL
- CHEMISTRY AND PHYSICS OF LIPIDS
- CHEMISTRY OF MATERIALS
- CHEMISTRY LETTERS
- COLLOIDS AND SURFACES A.
- COLLOIDS AND SURFACES B.
- COORDINATION CHEMISTRY REVIEWS
- CRYSTAL GROWTH AND DESIGN
- CURRENT INORGANIC CHEMISTRY
- ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY
- ELECTROCHIMICA ACTA
- ENCYCLOPEDIA OF MEDICAL DEVICES AND INSTRUMENTATION
- ENERGY AND ENVIRONMENTAL SCIENCE ROYAL SOCIETY OF CHEMISTRY
- ENVIRONMENTAL SCIENCE AND TECHNOLOGY
- EUROPEAN JOURNAL OF BIOCHEMISTRY
- EUROPEAN POLYMER JOURNAL
- FRONTIERS IN MEMBRANE PHYSIOLOGY AND BIOPHYSICS
- INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH
- INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES
- IEEE SENSORS JOURNAL
- INORGANICA CHIMICA ACTA
- ISRAEL JOURNAL OF CHEMISTRY
- JOURNAL: CHEMISTRY – A EUROPEAN JOURNAL
- JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
- JOURNAL OF APPLIED PHYSICS
- JOURNAL OF BACTERIOLOGY
- JOURNAL OF BIOMEDICAL OPTICS
- JOURNAL OF BIOMEDICAL MATERIALS RESEARCH: PART A
- JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS
- JOURNAL OF CELLULAR PHYSIOLOGY
- JOURNAL OF COLLOID AND INTERFACE SCIENCE
- JOURNAL OF CHEMICAL PHYSICS

- JOURNAL OF CRYSTAL GROWTH
- JOURNAL OF ENERGY AND FUELS
- JOURNAL OF LUMINESCENCE
- JOURNAL OF MATERIALS RESEARCH
- JOURNAL OF MATERIALS SCIENCE
- JOURNAL OF MEMBRANE BIOLOGY
- JOURNAL OF MEMBRANE SCIENCE
- JOURNAL OF MOLECULAR STRUCTURE
- JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY
- JOURNAL OF OPTICS A: PURE APPLIED OPTICS
(JOURNAL OF THE EUROPEAN OPTICAL SOCIETY)
- JOURNAL OF ORGANIC CHEMISTRY
- JOURNAL OF ORGANOMETALLIC CHEMISTRY
- JOURNAL OF PEDIATRIC BIOCHEMISTRY
- JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY
(BIOLOGY SECTION)
- JOURNAL OF PHYSICAL CHEMISTRY A.
- JOURNAL OF PHYSICAL CHEMISTRY B.
- JOURNAL OF PHYSICAL CHEMISTRY C.
- JOURNAL OF PHYSICAL CHEMISTRY LETTERS
- JOURNAL OF PHYSICS: CONDENSED MATTER
- JOURNAL OF PHYSICS B: ATOMIC, MOLECULAR AND OPTICAL PHYSICS
- JOURNAL OF PHYSICS D: APPLIED PHYSICS
- JOURNAL OF PORPHYRINS AND PHTHALOCYANINES
- JOURNAL OF THE ELECTROCHEMICAL SOCIETY
- JOURNAL OF THE ROYAL SOCIETY INTERFACE
- JOURNAL OF VACUUM SCIENCE AND TECHNOLOGY B.
- LANGMUIR
- MACROMOLECULAR RAPID COMMUNICATIONS
- MATERIALS SCIENCE AND ENGINEERING: C. BIOMIMETIC MATERIALS,
SENSORS AND SYSTEMS
- MEASUREMENT SCIENCE AND TECHNOLOGY
- MICROPOROUS AND MESOPOROUS MATERIALS
- NANOMEDICINE: NANOTECHNOLOGY, BIOLOGY, AND MEDICINE

- NANOTOXICOLOGY
- NATURE
- ORGANIC LETTERS
- PHOTOCHEMICAL AND PHOTOBIOLOGICAL SCIENCES
- PHOTOCHEMISTRY AND PHOTOBIOLOGY
- PHOTOSYNTHESIS RESEARCH
- PHYSICA STATUS SOLIDI
- PHYSICAL AND CHEMICAL NEWS
- PHYSIOLOGICAL MEASUREMENT
- PHYSICS IN MEDICINE AND BIOLOGY
- POLYMER
- PROGRESS IN PHOTOTHERMAL AND PHOTOACOUSTIC SCIENCE AND TECHNOLOGY
- REVIEW OF SCIENTIFIC INSTRUMENTS
- REVUE CANADIENNE DE BIOLOGIE
- SCIENCE AND TECHNOLOGY
- SEMICONDUCTOR SCIENCE AND TECHNOLOGY
- SOCIÉTÉ ROYALE DE BELGIQUE
- SPECTROSCOPY: AN INTERNATIONAL JOURNAL
- SURFACE AND INTERFACE ANALYSIS
- SURFACE SCIENCE
- SUSTAINABLE CHEMISTRY AND ENGINEERING
- TALANTA
- TETRAHEDRON JOURNAL
- THE JOURNAL OF ORGANIC CHEMISTRY
- THE ELECTROCHEMICAL SOCIETY JOURNALS
- THE EUROPEAN PHYSICAL CHEMISTRY
- THIN SOLID FILMS

MEMBER OF SCIENTIFIC SOCIETIES

- AMERICAN CHEMICAL SOCIETY
- AMERICAN SOCIETY FOR PHOTOBIOLOGY
- ASSOCIATION CANADIENNE-FRANCAISE POUR L'AVANCEMENT
DES SCIENCES
- BIOPHYSICAL SOCIETY
- EUROPEAN PHOTOCHEMISTRY ASSOCIATION
- INTERNATIONAL ASSOCIATION OF COLLOID AND INTERFACE SCIENTISTS
- SOCIETE CANADIENNE DE CHIMIE
- INTER-AMERICAN PHOTOCHEMICAL SOCIETY
- SPECTROSCOPY SOCIETY OF CANADA

SUPERVISOR OF M.Sc. AND Ph.D.

DOCTORATES

JOHNSON, Sheba. "Surface chemistry and spectroscopy of human insulin Langmuir monolayer". Ph.D. (Chemistry), 2014.

LI, Shanghai. "Analysis of the interactions between graphene oxide and biomolecules and protein fibrillation using surface chemistry and spectroscopy". Ph.D. (Chemistry), 2014.

CRAWFORD, Nicholas F. "Interfacial and spectroscopic studies of biomacromolecules and CdSe(ZnS) quantum dots". Ph.D. (Chemistry), 2014.

ORBULESCU, Jhony. "Contrasting view on asphaltene and human cardiac troponin I: A surface chemistry and spectroscopy perspective". Ph.D. (Chemistry), 2010.

THAKUR, Garima. "Surface chemistry and spectroscopy approach to study neurodegenerative diseases". Ph.D. (Chemistry), 2010.

VANNOY, Charles H. "Behavioral effects of functionalized CdSe/ZnS quantum dots in self-organization and protein fibrillation". Ph.D. (Chemistry), 2010.

TRIULZI, Robert C. "Nanotechnology for molecular recognition of biological analytes". Ph.D. (Chemistry), 2008.

WANG, Chengshan. "Surface chemistry and spectroscopic studies of the peptidolipids and proteins Langmuir monolayer". Ph.D. (Chemistry), 2008.

XU, Jianmin. "Self-organization of the semiconductor quantum dots at the air-water interface and the application for amyloid imaging". Ph.D. (Chemistry), 2008.

ZHENG, Jiayin. "Spectroscopic properties of organophosphorus hydrolase (OPH) and organophosphorus acid anhydrolase (OPAA)". Ph.D. (Chemistry), 2006.

ZHAO, Liang. "Organophosphorus acid anhydrolase: secondary structure analysis in solution and Langmuir-Blodgett film and the direct CdS quantum dots conjugation for detection of diisopropylfluorophosphate". Ph.D. (Chemistry), 2006.

GATTAS-ASFURA, Kerim Miguel. "Molecular recognition based on biomacromolecules and quantum dots". Ph.D. (Chemistry), 2005.

Ji, Xiaojun. "Semiconductor quantum dots: Surface chemistry, surface modification and applications". Ph.D. (Chemistry), 2005.

LI, Changing. "Study of the functional peptides and peptidolipids in two dimensions: A surface chemistry approach". Ph.D. (Chemistry), 2005.

NAISTAT, David. "A two dimensional biomimetic approach to the amyloidogenesis". Ph.D. (Chemistry), 2005.

- CONSTANTINE, Celeste. "Surface immobilization of organophosphorus hydrolase for biosensor based on spectroscopic detection of an organophosphorus derivative" Ph.D. (Chemistry), 2004.
- CAO, Xihui. "Langmuir, Langmuir-Blodgett and Layer-by-Layer ultra-thin film properties of amphiphilic molecules and organophosphorous hydrolase (OPH), and the OPH thin film bioassay of an organophosphorous compound (Paraoxon)". Ph.D. (Chemistry), 2003.
- KELE, Peter. "Synthesis and application studies of novel coumarin derivatives". Ph.D. (Chemistry), 2002.
- ZHENG, Yujun. "Photocrosslinked PEG hydrogel and peptide fluorescent sensors for copper ions". Ph.D. (Chemistry), 2002.
- SUI, Guodong. "Molecular orientation in Langmuir and Langmuir-Blodgett films of disk-shaped molecules including amphiphilic dendrimers and liquid crystalline perylene diimide derivatives". Ph.D. (Chemistry), 2002.
- MICIC, Miodrag. "Surface and supramolecular chemistry studies of the selected cross-linked macromolecular systems". Ph.D. (Chemistry), 2001.
- BROUSSEAU, Jean-Luc. "Spectroscopie par effet tunnel inelastique de la brevetoxine et de l'octadécyltriméthoxysilane". Ph.D. (Biophysics), 1999.
- DZIRI, Leila. "Conformational studies of acetylcholinesterase at air - water and air - solid interfaces and development of an optical fiber for detection of organophosphorous compounds". Ph.D. (Chemistry), 1999.
- WANG, Shaopeng. "Molecular recognition at the interface: A Langmuir and Langmuir - Blodgett film study". Ph.D. (Chemistry), 1999.
- SHAO, Lei. "Surface chemistry and structural studies of photosystem II using UV-Vis and fluorescence spectroscopies and atomic force microscopy". Ph.D. (Biophysics), 1998.
- BOUSSAAD, Salah. "Mise au point d'un microscope à force atomique et examen de la structure de films électrodeposités et Langmuir-Blodgett de chlorophylle a microcristalline". Ph.D. (Biophysics), 1997.
- TAZI, Abderrahim. "Structure des films Langmuir-Blodgett du cytochrome *f*, du mélange MGDG/cyt *f* et DGDG/cyt *f* par la microscopie à champ proche". Ph.D. (Biophysics), 1997.
- BOURQUE, Hélène. "Construction et mise au point d'un microscope à effet tunnel et son application à l'étude des films Langmuir-Blodgett de chlorophylle a". Ph.D. (Biophysics), 1996.
- DROLET, Jean-Pierre. "Méthodes polynomiales d'inversion de données ellipsométriques". Ph.D. (Biophysics), 1996.

- LAHJOMRI, Fouad. "Etude de la diffusion de chromophores dans la peau humaine par la technique de la spectroscopie photoacoustique modulée et pulsée". Ph.D. (Biophysics), 1996.
- KASSI, Hassan. "Transport et photogénération des porteurs de charge dans la chlorophylle a microcristalline: Une caractérisation à l'aide des techniques de temps de vol et de courant-tension". Ph.D. (Biophysics), 1996.
- NSENGIYUMVA, Salvator. "Propriétés photovoltaïques et électriques de cellules à base de films Langmuir-Blodgett de chlorophylle a et de mélanges chlorophylle a – sulfoquinovosyldiacylglycerol". Ph.D. (Biophysics), 1996.
- CHARLEBOIS, Denis. "Application de la spectroscopie photoacoustique à l'étude des effets de l'ozone et du bioxyde de soufre sur l'activité photosynthétique de l'érable à sucre : potentiel et limitation". Ph.D. (Biophysics), 1994.
- GAUVIN, Serge. "Nouvelle approche de l'effet tunnel dans les films organiques monomoléculaires: Conception d'un spectromètre à effet tunnel". Ph.D. (Biophysics), 1994.
- CHARLAND, Marc. "Mesure de l'activité des photosystèmes I et II *in vivo* en spectroscopie photoacoustique: Effets des variations de l'environnement lumineux sur l'activité photosynthétique". Ph.D. (Biophysics), 1993.
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LIST OF RESEARCH CONTRIBUTIONS

CONFERENCE PRESENTATIONS (TOTAL: 400)

2014 (Total: 1)

400. Leblanc, R. M. and S. Li. "Strong and selective adsorption of lysozyme on graphene oxide". The 20th International Symposium on Surfactants in Solution (Coimbra, Portugal, June 22-27).

2013 (Total: 3)

399. Bruno, L. and R.M. Leblanc. "Dynamic Light Scattering of graphene oxide aggregates". 3rd Annual Florida Undergraduate Research Conference (FURC) (University of Florida, Gainesville, FL, February 22-23).
398. Bruno, L., S. Li and R.M. Leblanc. "Study of the physical state of graphene oxide using Dynamic Light Scattering and Zeta Potential measurements". Annual Biomedical Research Conference for Minority Students (ABRCMS) (University of Miami, November 8).
397. Wandishin, C. and R.M. Leblanc. "Reducing protein fibrillation using carbon dots and bio-mimetic compounds". Annual Society for Advancement of Chicanos and Native Americans in Science (SACNAS) National Conference (San Antonio, TX, October 16).

2012 (Total: 7)

396. Liu, W. and R.M. Leblanc. "Study of the aggregation of human insulin Langmuir monolayer". 243rd ACS National Meeting and Exposition (San Diego, CA, March 25-29).
395. Johnson, S. and R.M. Leblanc. "One pot simultaneous synthesis of fluorescent nanocluster and quantum dots directed by protein: a Langmuir monolayer study". 243rd ACS National Meeting and Exposition (San Diego, CA, March 25-29).
394. Guo, J. and R.M. Leblanc. "Fibrillation study of human insulin". University of Miami Research, Creativity and Innovation Forum (RCIF 2012) (UM Whitten University Center, April 11).
393. Ji, Y. and R.M. Leblanc. "Mechanism of the formation of bovine serum albumin gold nanoclusters". University of Miami Research, Creativity and Innovation Forum (RCIF 2012) (UM Whitten University Center, April 11).
392. Liu, W. and R.M. Leblanc. "Study of the aggregation of human insulin Langmuir monolayer". University of Miami Research, Creativity and Innovation Forum (RCIF 2012) (UM Whitten University Center, April 11).

391. Bruno, L. and R.M. Leblanc. "Study of the physical state of graphene oxide using dynamic light scattering and zeta potential measurements". Barry University Summer Research Presentation Series (Barry University, Miami, FL, Oct 5).
390. Sessions, K. and R.M. Leblanc. "Epi-fluorescence imaging at the air-water interface of fibrillation of bovine serum albumin and human insulin". Society of Advancement of Chicanos and Native Americans in Science National Conference (Seattle, WA, Oct. 11-14).

2011 (Total: 4)

389. Patel, R.A. and R.M. Leblanc. "Organophosphorus acid anhydrolase bio-template for the synthesis of CdS quantum dots and detection of diisopropylfluorophosphate". University of Miami Research, Creativity and Innovation Forum (RCIF 2011) (UM Bank United Center, March 29).
388. Liu, W., S. Johnson and R.M. Leblanc. "Behavior of human insulin Langmuir monolayers on ZnCl₂ subphase". The 242nd ACS National Meeting and Exposition (Denver, CO, Aug 28-Sept 1).
387. Orbulescu J., R.A. Patel, R.M. Leblanc, A. Dadlani, M. Ensor, S. Trajkovic, S. Daunert and M. Micic. "Fluorescence-based detection of human cardiac Troponin I using a chemically-attached mutant antibody modified quartz slide". The 242nd ACS National Meeting and Exposition (Denver, CO, Aug 28-Sept 1).
386. Crawford, N., M. Macquet and R.M. Leblanc. "Self-organizing silanized semiconductor CdSe(ZnS) quantum dots at the air-water interface". The 4th NanoScience Technology Symposium (Miami, FL, Sept 30-Oct 1).

2010 (Total: 6)

385. Vannoy, C.H. and R.M. Leblanc. "Green chemistry: The mediator in a Green economy". New green Economy Conference, National Council for Science and the Environment (Washington, DC, Jan 20-22).
384. Orbulescu, J., M. Micic, M.C. Ensor, S. Trajkovic, S. Daunert and R.M. Leblanc. "Langmuir monolayer study of human cardiac troponin I at the air-subphase interface". The 239th ACS National Meeting and Exposition (San Francisco, CA, March 21-25).
383. Orbulescu, J., O.C. Mullins and R.M. Leblanc. "Surface chemistry of UG8 asphaltene at the air-water interface: Influence of spreading solvent". The 239th ACS National Meeting and Exposition (San Francisco, CA, March 21-25).
382. Orbulescu, J. and R.M. Leblanc. "Langmuir monolayer study of human cardiac troponin I at the air-subphase interface". University of Miami Research, Creativity and Innovation Forum (RCIF 2010) (UM Bank United Center, April 6).

381. Patel, R.A., A. Dadlani and R.M. Leblanc. "Spectrophotometric analysis of CdTe quantum dot/human hemoglobin bioconjugation". University of Miami Research, Creativity and Innovation Forum (RCIF 2010) (UM Bank United Center, April 6).
380. Thakur, G., R.M. Leblanc and M. Micic. "Surface properties of amyloid beta (1-42) mixed or conjugated to quantum dots". The 240th ACS National Meeting and Exposition (Boston, MA, August 22-26).

2009 (Total: 1)

379. Thakur, G. and R.M. Leblanc. "Surface properties of lipid raft Langmuir monolayer and its interaction with A β (1-40)". The 13th IACIS International Conference on Surface and Colloid Science and the 83rd ACS Colloid & Surface Science Symposium (Columbia University, New York, NY, June 14-19).

2008 (Total: 4)

378. Mutavdzic, D., K. Radotic, J. Xu, A. Kalauzi, M. Jeremic and R.M. Leblanc. "Determination of the size of quantum dots by fluorescence spectroscopy". The 9th International Conference on Fundamental and Applied Aspects of Physical Chemistry (Belgrade, Serbia, September 24-26).
377. Vannoy, C., J. Xu and R.M. Leblanc. "Bioimaging of (CdSe)ZnS [(Core)Shell] quantum dots conjugated to lysozyme amyloid fibrils". The 82nd ACS Colloid and Surface Science Symposium (North Carolina State University, Raleigh, NC, June 15-18).
376. Thakur, G., C. Wang and R.M. Leblanc. "Surface chemistry and *in situ* spectroscopy of lysozyme Langmuir monolayer". The 82nd ACS Colloid and Surface Science Symposium (North Carolina State University, Raleigh, NC, June 15-18).
375. Orbulescu, J., T. Hasegawa and R.M. Leblanc. "Amyloid-like aggregation of peptidolipids in Langmuir monolayers: A comparative study". 84th Florida Annual Meeting and Exposition (FAME) (Orlando Sun Resort and Conference Center, Orlando, FL, May 8-10).

2007 (Total :5)

374. Leblanc, R.M., Xu, J. and R.C. Triulzi. "Organophosphorus acid anhydrolase-CdS quantum dots conjugation for detection of diisopropylfluorophosphate". The 234th ACS National Meeting (Boston, MA, August 19-23).
373. Wang, C. and R.M. Leblanc. "Surface properties of jellyfish: Langmuir monolayer study of aequorin". The 234th ACS National Meeting (Boston, MA, August 19-23).
372. Xu, J., Wang, C. and R.M. Leblanc. "Sol-gel process of silanized (CdSe)ZnS QDs in Langmuir monolayer". The 234th ACS National Meeting (Boston, MA, August 19-23).

371. Leblanc, R.M. and J. Orbulescu. "Films Langmuir et Langmuir-Blodgett de points quantiques". The 75th Congres de l' Association Francophone Pour La Savoir (ACFAS) (Quebec University at Trois-Rivieres, Canada, May 7-11).
370. Orbulescu, J. and R.M. Leblanc. "A surface chemistry approach to form supramolecular assemblies applied to metal ion sensing and amyloid aggregation". 1st International Conference "Supramolecular Chemistry from design to applications" SUPCHEM (Cluj-Napoca, Romania, April 12-15).

2006 (Total : 3)

369. Orbulescu, J and R.M. Leblanc. "Amyloid beta-peptide aggregation in 2D: Surface chemistry and spectroscopy". 2nd International Symposium: Advanced Spectroscopies on Biomedical and Nanostructure Systems (Cluj-Napoca, Romania, September 3-6).
368. Orbulescu, J. and R.M. Leblanc. "Fluorescence-based detection of Saxitoxin". The 82nd Florida Annual Meeting and Exposition (FAME) (Orlando, May 11-13).
367. Triulzi, R.C., C. Li, D. Naistat, J. Orbulescu and R.M. Leblanc. "A two-dimensional approach to study amyloid beta-fragment (25-35)". The 82nd Florida Annual Meeting and Exposition (FAME) (Orlando, May 11-13).

2005 (Total: 9)

366. Hasegawa, T. D. Moriya, H. Kakuda, C. Li, J. Orbulescu and R.M. Leblanc. "Analysis of fibril-like molecular aggregation of peptide carboxylate in monolayer". The Division of Colloid and Surface Chemistry. Chemical Society of Japan (Utsunomiya, Tochigi, Japan, September 8-10).
365. Naistat, D., J. Orbulescu, C. Li and R.M. Leblanc. "A two dimensional biomimetic approach to the amyloidogenesis". 3rd Annual Health in Aging, Miami Center on Aging, University of Miami (Mental Health Hospital Center, UM, October 21).
364. Orbulescu, J., C. Li, D.M. Naistat and R.M. Leblanc. "Amyloid peptide aggregation studies by Circular Dichroism and IR spectroscopies in solution, Langmuir and Langmuir-Blodgett films". 32nd FACSS and 51st ICASS Meeting (Quebec City, Canada, October 9-13).
363. Naistat, D.M., R.M. Leblanc, C. Li and J. Orbulescu. "A two dimensional biomimetic approach to the amyloidogenesis". Florida Annual Meeting and Exposition (FAME 2005 (Clarion Hotel and Conference Center, Orlando International Airport, FL, May 5-7).
362. Ji, X., J. Zheng, J. Xu, V.K. Rastogi, T.-C. Chen, J.J. DeFrank and R.M. Leblanc. "(CdSe)ZnS QDs and organophosphorus hydrolase bioconjugate as biosensors for detection of paraoxon". 229th ACS National Meeting (San Diego, CA, March 13-17).
361. Weismann, E.P., K.M. Gattas-Asfura, R.M. Leblanc and F.M. Andreopoulos. "Photoresponsive gelatin scaffolds for multiple growth factor delivery". 229th ACS National Meeting (San Diego, CA, March 13-17).

360. Zhao, L., C.A. Constantine, X. Ji, T.-C. Chen and R.M. Leblanc. "A circular dichroism study of OPAA in solution and in Langmuir-Blodgett film". 229th ACS National Meeting (San Diego, CA, March 13-17).
359. Zheng, J., C.A. Constantine, V.K. Rastogi, T.-C. Chen, J.J. DeFrank and R.M. Leblanc. "Molecular interaction between organophosphorus acid anhydrolase (OPAA) and diisopropylfluorophosphate (DFP)". 229th ACS National Meeting (San Diego, CA, March 13-17).
358. Ujihara, M., T. Imae, J. Orbulescu and R.M. Leblanc. "Hybridization of poly(amido amine) dendrimers with an azacrown core and long alkyl chain spacers on solid substrate and at liquid interface". 21st Century COE KEIO-Life Conjugated Chemistry, International Symposium on Functional Colloids and Surfaces. (Rayosha, Keio University, Japan, January 21).

2004 (Total: 7)

357. Ujihara, M., T. Imae, J. Orbulescu and R.M. Leblanc. "Hybridization of poly(amido amine) dendrimers with an azacrown core and long alkyl chain spacers on solid substrate and at liquid interface". 15th Symposium of Materials Research Society of Japan (December 23-24, Nihon University, Suruga-dai, Japan).
356. Leblanc, R.M., X. Ji, J. Zheng, J. Xu, V.K. Rastogi, T.-C. Cheng and J.J. DeFrank "(CdSe)ZnS quantum dots and organophosphorus hydrolase bioconjugate as biosensor for detection of paraoxon". The 56th Southeast Regional Meeting 2004 (SERMACS) (Sheraton Imperial, Research Triangle Park, Durham, November 10-13).
355. Leblanc, R.M., K.M. Gattas-Asfura, E. Weisman, F.M. Andreopoulos, S. Sirpal and S.M. Pham. "A novel synthesis of biodegradable gelatin hydrogels". The 56th Southeast Regional Meeting 2004 (SERMACS) (Sheraton Imperial, Research Triangle Park, Durham, November 10-13).
354. Naistat, D.M., J. Orbulescu and R.M. Leblanc. "Amyloid imaging with quantum dots". 2nd Annual Health in Aging, Miami Center on Aging, University of Miami (Mental Health Hospital Center, UM, September 24).
353. Caseli, L., M.E.D. Zaniquelli, D.C. Masui, F.A. Leone, R.P.M. Furriel, J. Orbulescu and R.M. Leblanc. "Langmuir film study of rat osseous alkaline phosphatase". 228th ACS National Meeting (Philadelphia, PA, August 22-26).
352. Gattas-Asfura, K.M., C.A. Constantine, G. Sui, M. Micic, S. Magonov and R. M. Leblanc. "Novel optical sensors based on the surface engineering of quantum dots". 228th ACS National Meeting (Philadelphia, PA, August 22-26).
351. Zheng, J., X. Cao, R.M. Leblanc, V.P. Rastogi, T.-C. Cheng and J.J. DeFrank. "Effect of temperature and pH on the secondary structure of organophosphorus hydrolase (OPH) by circular dichroism". 228th ACS National Meeting (Philadelphia, PA, August 22-26).

2003 (Total: 18)

350. Leblanc, R.M., C.A. Constantine, V. Rastogi, T.-C. Chen, J.J. DeFrank. "Organophosphorus hydrolase-based detection of organophosphorus agents". Joint Service Scientific Conference on Chemical and Biological Defense Research (Towson, MD, November 17-20).
349. Kele, P., J. Orbulescu, A. Kotschy and R. M. Leblanc. "Molecular recognition of heterocyclic toxins". International Conference in Chemistry (Cluj-Napoca, Romania, November 14-16).
348. Leblanc, R.M., J. Orbulescu, M.L. Patrick and C. Li. "Infrared Reflection Absorption Spectroscopy (IRRAS) of β -Amyloid Langmuir and Langmuir-Blodgett films". 30th Annual Meeting of the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) (Broward County Convention Center, Fort Lauderdale, FL, October 19-23).
347. Orbulescu, J., M. Patrick, C. Li and R.M. Leblanc. "Surface chemistry of β -Amyloid Langmuir and Langmuir-Blodgett films". Center of Aging Poster Session, Jackson Memorial Hospital (Miami, September 16).
346. Li, C., J. Orbulescu and R. M. Leblanc. "Study of β -Amyloid aggregate at the air-water interface". 226th ACS National Meeting (New York, NY, September 7-11).
345. Orbulescu J., P. Kele, G. Sui, R.E. Gawley and R. M. Leblanc. "Fluorescent Sensors for Marine Toxins". 226th ACS National Meeting (New York, NY, September 7-11).
344. Orbulescu, J., M.L. Patrick, C. Li and R. M. Leblanc. "Infrared Reflection Absorption Spectroscopy (IRRAS) of β -Amyloid Langmuir and Langmuir-Blodgett films". 226th ACS National Meeting (New York, NY, September 7-11).
343. Orbulescu, J., M.L. Patrick, C. Li and R.M. Leblanc. "Surface chemistry study of β -Amyloid Langmuir and Langmuir-Blodgett films". 226th ACS National Meeting (New York, NY, September 7-11).
342. Zheng, J., X. Cao, S.V. Mello and Roger M. Leblanc. "ATR-FTIR study of organophosphorus hydrolase secondary structure of Langmuir-Blodgett films". 226th ACS National Meeting (New York, NY, September 7-11).
341. Kele P., J. Orbulescu, R.M. Leblanc and A. Kotschy. "Molecular recognition for heterocyclic toxins". Hungarian Chemical Society, Organic and Medicinal Chemistry, (June 26-28, Szeged, Hungary).
340. Constantine, C., P. Kele, J. Orbulescu, S.V. Mello and R.M. Leblanc. "Covalent immobilization of organophosphorous hydrolase for detection of organophosphorous compounds". Florida ACS Annual Meeting and Exposition 2003 (Clarion Hotel and Conference Center at Orlando International Airport, FL, May 8-10).

339. Gattás-Asfura K.M, R.M. Leblanc and Y. Zheng. “Immobilization of quantum dots in the photo-cross-linked poly(ethylene glycol) based hydrogel”. Florida ACS Annual Meeting and Exposition 2003 (Clarion Hotel and Conference Center at Orlando International Airport, FL, May 8-10).
338. Ji, X., J.Orbulescu, G. Sui, K. M. Gattas-Asfura and R.M. Leblanc. “Surface chemistry studies of quantum dots (QDs) modified with surfactants”. Florida ACS Annual Meeting and Exposition 2003 (Clarion Hotel and Conference Center at Orlando International Airport, FL, May 8-10).
337. Li, C., J. Zheng, S.V. Mello, J. Orbulescu, A. Ramirez and R.M. Leblanc. “Two-dimensional approach for investigation of beta amyloid in Alzheimer’s Disease”. Florida ACS Annual Meeting and Exposition 2003 (Clarion Hotel and Conference Center at Orlando International Airport, FL, May 8-10).
336. Zheng, J., X.Cao, S. V. Mello and R.M. Leblanc. “ATR-FTIR study of organophosphorous hydrolase secondary structure of Langmuir-Blodgett films”. Florida ACS Annual Meeting and Exposition 2003 (Clarion Hotel and Conference Center at Orlando International Airport, FL, May 8-10).
335. Benamar, N., F. Lahjomri, E. Chatri et R.M. Leblanc. “Etude de la diffusion de quelques emulsions dans la peau humaine par spectroscopie photoacoustique pulsee”. International Congress of Spectroscopy (Marrachech, Morocco, April 23-25).
334. Kele, P., J. Orbulescu, T.L. Calhoun, R.E. Gawley and R.M. Leblanc. “Detection of saxitoxin by coumaryl-crown sensors”. 225th ACS National Meeting (New Orleans, LA, March 23-27).
333. Kele, P., J. Orbulescu, T.L. Calhoun, R.E. Gawley and R.M. Leblanc. “Coumaryl-crown ether based chemosensors: Selective detection of saxitoxin in the presense of sodium and potassium ions”. 225th ACS National Meeting (New Orleans, LA, March 23-27).

2002 (Total: 8)

332. Hasegawa, T., J. Nishijo, J. Umemura, C. Li and R.M. Leblanc. “A unique film architecture by hydrogen-bonding networks analyzed by Infrared Multiple Angle Incidence Resolution Spectrometry (IR-MAIRS)”. International Conference on Strongly-Correlated Soft Materials (University of Tokyo, Tokyo, Japan, November 29-30).
331. Micic, M., J. Orbulescu, K. Radotic, M. Jeremic and R.M. Leblanc. “Lignin model compounds at the air-water interface”. 6th International Conference on Fundamental and Applied Aspects of Physical Chemistry (Belgrade, Yugoslavia, September 26-28).

330. Mello, S.V., C.A. Constantine, A. Dupont, X. Cao, D.S. Santos Jr., O.N. Oliveira Jr., F.T. Strixino, E.C. Pereira and R.M. Leblanc. "Poly (3-thiophene acetic acid)/chitosan self-assembled bilayers". 224th ACS National Meeting (Boston, MA, August 18-22).
329. Leblanc, R.M. and Y. Zheng. "Fluorescent, Langmuir and Langmuir-Blodgett sensors for copper ions". 224th ACS National Meeting (Boston, MA, August 18-22).
328. Zheng, Y. and R.M. Leblanc. "Biosensors based on photocrosslinked hydrogel films". 224th ACS National Meeting (Boston, MA, August 18-22).
327. Kohen, E., J.G. Hirschberg, C. Ornek, M. Monti, J.P. Barry and R.M. Leblanc. "Fluorescence imaging of mitochondrial responses to glucose challenge and probes in mitochondrial DNA – deficient osteosarcoma cells". Microscopy and Microanalysis 2002 (Palais des Congres, Cite de Quebec, Quebec, Canada, August 5-8).
326. Huo, T., R.M. Leblanc, Y. Zheng and C. Li. "Polymerization of a Langmuir monolayer through disulfide bond formation". 34th ACS Great Lakes Regional Meeting (Minneapolis, MN, June 2-4).
325. Micic, M., Y. Zheng, V. T. Moy, R. M. Leblanc, F. Andreopoulos and S. Pham. "Novel photo-switchable, biocompatible poly (ethylene – glycol) – nitrocinnamic ester based hydrogel". Congress of Plastics and Rubber Engineers. YU – Polymers 2002 (Cacak, Yugoslavia, May 28-31).

2001 (Total: 12)

324. Cao, X., S.V. Mello, R.M. Leblanc, V.K. Rastogi, T.C. Chen and J.J. DeFrank. "Surface chemistry studies of organophosphorous hydrolase". 222nd ACS National Meeting (Chicago, IL, August 26-30).
323. Liu, S.G., G. Sui, R.A. Cormier, R.M. Leblanc and B.A. Gregg. "Multiphase topography, and orientation of self-organized thin films of liquid-crystalline perylene diimides". 222nd ACS National Meeting (Chicago, IL, August 26-30).
322. Sui, G., X. Cao, M. Mabrouki, P. Kele and R.M. Leblanc. "Synthesis and surface chemistry of PAMAM dendrimers modified with perfluoroalkyl chains". 222nd ACS National Meeting (Chicago, IL, August 26-30).
321. Sui, G., S. Liu, J. Orbulescu, B.A. Gregg and R.M. Leblanc. "UV-Vis and fluorescence studies of liquid – crystalline perylene diimides in Langmuir and Langmuir-Blodgett films". 222nd ACS National Meeting (Chicago, IL, August 26-30).
320. Huo, Q., G. Sui, Y. Zheng, P. Kele and R.M. Leblanc. "Metal complexation with Langmuir monolayers of mixed peptide lipids". Seventy-Fifth ACS Colloid and Surface Science Symposium (Carnegie Mellon University, Pittsburgh, PA, June 10-13).

319. Mello, S.V. and R.M. Leblanc. "Langmuir and LB films of organophosphorous acid anhydrolase". Seventy-fifth ACS Colloid and Surface Science Symposium (Carnegie Mellon University, Pittsburgh, PA, June 10-13).
318. Mello, S.V., G. Sui, Y. Ma, X. Cao and R.M. Leblanc. "Characterization of amphiphilic dendrimers thin films by fluorescence and surface probe microscopy". Seventy-fifth ACS Colloid and Surface Science Symposium (Carnegie Mellon University, Pittsburgh, PA, June 10-13).
317. Zheng, Y., Y. Ma, Q. Huo, X. Cao, S. Mello and R.M. Leblanc. "Design of novel peptide-based chemosensors for copper ions". Seventy-fifth ACS Colloid and Surface Science Symposium (Carnegie Mellon University, Pittsburgh, PA, June 10-13).
316. Zheng, Y., Q. Huo, M. Micic, R.M. Leblanc and F.M. Andreopoulos. "Design of photoreversible hydrogels aimed at biomedical applications". 221st. ACS National Meeting (San Diego, CA, April 1-5).
315. Hasegawa, T., J. Nishijo, M. Watanabe, J. Umemura, Y. Ma, G. Sui, Q. Huo and R.M. Leblanc. "Roles of mycolic acids in the outer layer of Mycobacterium tuberculosis". Japanese Pharmaceutical Society (Hokkaido University, Japan, March 28-30).
314. Micic, M., K. Radotic, M. Jeremic and R.M. Leblanc. "Supramolecular organization of the lifnin model compound on cellulose substrate: Artificial plant cell wall". The Fifth Annual UM Graduate Student Research / Creativity Forum (Whitten University Center, UM, Miami, FL, March 1).
313. Zheng, Y., F.M. Andreopoulos, M. Micic, Q. Huo, Si M. Pham and R.M. Leblanc. " A novel photoscissile PEG – based hydrogel". The Fifth Annual UM Graduate Student Research / Creativity Forum (Whitten University Center, UM, Miami, FL, March 1).

2000 (Total: 9)

312. Micic, M., D. Markovic, N. Vukelic, A. Stamatovic, M. Mavers, B. Milosevic, A. Radu and R.M. Leblanc. "Environmental Scanning Electron Microscopy study of atmospheric particulate matter". 5th International Conference on Fundamental and Applied Aspects of Physical Chemistry (Belgrade, Yugoslavia, September 27-29).
311. Micic, M., K. Radotic, M. Jeremic, M. Mavers and R.M. Leblanc. "ESEM microscopy of the artificial lignin supramolecular structures". 5th International Conference on Fundamental and Applied Aspects of Physical Chemistry (Belgrade, Yugoslavia, September 27-29).
310. Huo, Q. and R.M. Leblanc. "Combinatorial surface chemistry -A novel interface science". Florida Annual Meeting and Exposition (FAME 2000, ACS)(Four Points Orlando, Orlando, FL, May 12-13).
309. Micic, M., M. Jeremic, K. Radotic, M. Mavers and R.M. Leblanc. "A comparative study of enzymatically and photochemically polymerized artificial lignin supramolecular structures using environmental scanning electron microscopy". Florida

Annual Meeting and Exposition (FAME 2000, ACS)(Four Points Orlando, Orlando, FL, May 12-13).

308. Micic, M., D. Markovic, N. Vukelic and R.M. Leblanc. "Environmental scanning electron microscopy and energy dispersive x-ray analysis study of atmospheric particulate matter". Florida Annual Meeting and Exposition (FAME 2000, ACS)(Four Points Orlando, Orlando, FL, May 12-13).
307. Micic, M., M. Mavers, M. Jeremic, K. Radotic and R.M. Leblanc. "Topological studies of artificial lignin supramolecular structures". Florida Annual Meeting and Exposition (FAME 2000, ACS)(Four Points Orlando, Orlando, FL, May 12-13).
306. Micic, M., D. Markovic, N. Vukelic, A.S. Tamatovic, B. Milosevic, A. Radu and R.M. Leblanc. "Environmental scanning electron microscopy (ESEM) and energy dispersive X-ray analysis (EDX) study of atmospheric particulate matter". EUROTRAC Symposium 2000 (Garmisch -Portenkirchen, Germany, March 27-31).
305. Micic, M., M. Mavers, M. Jeremic, K. Radotic and R.M. Leblanc. "Visualization and topological studies of artificial lignin supramolecular structures". New Directions for the Industry/ University Cooperative Research Center for Biosurfaces (Department of Biomedical Engineering, University of Miami, FL, February 25).
304. Micic, M., J.D. Evanseck, H. Cheung and R.M. Leblanc. "Density functional theory conformational search of citric acid". 2000 Eastern-Atlantic Student Research Forum (University of Miami School of Medicine, University of Miami, Miami, FL, February 25).

1999 (Total: 9)

303. Popvic, A., M. Micic, B. Zivancevic, P. Polic and R.M. Leblanc. "Characterization of coal ash particles from "Nikola Tesla" power plants in Obrenovac near Belgrade". 2nd International Conference of Balkan Environmental Association (B. En. A.), on "Industrial Pollution" (Sofia, Bulgaria, November 19-21).
302. Micic, M., D. Markovic and R.M. Leblanc. "Environmental Scanning Electron Microscopy (ESEM) and Energy Dispersive X-Ray Analysis (EDX) study of atmospheric particulate matter". Fourth Annual UM Graduate Student Research and Creativity Forum (Graduate School, University of Miami, Coral Gables, FL, November 18).
301. Hasegawa, T., Y. Hatada, J. Nishijo, J. Umemura, Q. Huo and R.M. Leblanc. "Unique hydrogen bonding network structure formed between two Langmuir-Blodgett films studied by infrared reflection-absorption spectrometry". 12th International Conference on Fourier Transform Spectroscopy (Waseda University, Tokyo, Japan, August 22-27).
300. Dziri, L., B. Desbat and R.M. Leblanc. "Studies of polarization modulated FT-IR spectroscopy of AcChE secondary structure at the air-water interface". Florida Annual Meeting and Exposition (FAME 1999, ACS) (Harley Hotel, Orlando, FL, May 7-8).

299. Katipamula, N. and R.M. Leblanc. " Network formation in 2D of C18 silanes with different polar head groups at air-water interface". Florida Annual Meeting and Exposition (FAME 1999, ACS) (Harley Hotel, Orlando, FL, May 7-8).
298. Sui, G., M. Micic, Q. Huo and R.M. Leblanc. "Study of a novel amphiphilic dendrimer at air-water interface". Florida Annual Meeting and Exposition (FAME 1999, ACS) (Harley Hotel, Orlando, FL, May 7-8).
297. Wang, S., Q. Huo, A. Pisseloup, D. Verma and R.M. Leblanc. "Chromatic properties of polydiacetylene lipid monolayers with different dipeptide head groups at air-water interface ". Florida Annual Meeting and Exposition (FAME 1999, ACS) (Harley Hotel, Orlando, FL, May 7-8).
296. Katipamula, N. and R.M. Leblanc. "Network formation in 2D of C18 silanes with different polar head groups". Second Annual Symposium, South Florida Section, ACS (Rosenstiel Campus, University of Miami, Key Biscayne, FL, April).
295. Wang, S., Q. Huo, A. Pisseloup, D. Verma and R.M. Leblanc. "Chromic properties of polydiacetylene lipid monolayers with different dipeptide headgroups at air-water interface". Second Annual Symposium, South Florida Section, ACS (Rosenstiel Campus, University of Miami, Key Biscayne, FL, April).

1998 (Total: 15)

294. Tranchant, J. F., V. Allard, G. Jorand and R.M. Leblanc. "Pulsed photoacoustic study of the diffusion of chromophores in vivo". 20th Congress International Federation of Societies of Cosmetic Chemists (Cannes, France, September 14-18).
293. Dziri, L., S. Boussaad, B. Desbat, N. Tao and R.M. Leblanc. " DPPA-and DPPC-enzyme interactions at the air-water interface studied by PMIRRAS and TMAFM". 216th ACS National Meeting (Boston, MA, August 23-27).
292. Dziri, L., B. Desbat and R.M. Leblanc. "PMIRRAS study of AChE secondary structure behavior at the air-water interface and its interaction with a substrate or inhibitor". 216th ACS National Meeting (Boston, MA, August 23-27).
291. Huo, Q., N. Pham, K.C. Russell and R.M. Leblanc. "Hydrogen bonding network at the air-water interface: Correlation to the chromatic behavior of polydiacetylenic Langmuir film". 216th ACS National Meeting (Boston, MA, August 23-27).
290. Krafft, M. P., Q. Huo, S. Vidon, R.M. Leblanc and F. Giulieri. " Monolayers made from a combination of DPPC with a mixed fluorocarbon-hydrocarbon amphiphile". 216th ACS National Meeting (Boston, MA, August 23-27).
289. Puccetti G. and R.M. Leblanc. "Organic/inorganic composites for thin-film applications: Sol-gel processes constrained by high surface evaporation conditions". 216th ACS National Meeting (Boston, MA, August 23-27).

288. Puccetti, G. and R.M. Leblanc. "Influence of the microscopic dimensionality of a sol-gel on the properties of organic dopants". 216th ACS National Meeting (Boston, MA, August 23-27).
287. Puccetti, G. and R.M. Leblanc. "Organic/inorganic composites for thin film applications: Sol-gel processes constrained by high surface evaporation conditions". 216th ACS National Meeting (Boston, MA, August 23-27).
286. Puccetti, G. and R.M. Leblanc. "Probing dopant/sol-gel matrix interactions: Influence of network growth factors on the dye properties". 216th ACS National Meeting (Boston, MA, August 23-27).
285. Wang, S., R. Lunn, M.P. Krafft and R.M. Leblanc. "One and a half layer? Study of mixed Langmuir monolayer of 10, 12-pentacosadiynoic acid and semi-fluorinated tetracosane". The 216th ACS National Meeting (Boston, MA, August 23-27).
284. Huo, Q., K.C. Russell and R.M. Leblanc. "Hydrogen bond mediated self-assembly at the air-water interface: Study of hydrogen bonding assembly complementary to a fluorescent aminotriazine amphiphile". Seventy-second ACS Colloid and Surface Science Symposium (The Pennsylvania State University, State College, PA, June 21-24).
283. Dziri, L., S. Boussaad and R.M. Leblanc. "Study of acetylcholinesterase-organophosphate complexation at the interface by ATR-IR and AFM spectroscopies". 215th ACS National Meeting (Dallas, TX, March 29-April 2).
282. Puccetti, G. and R.M. Leblanc. "Non invasive *in situ* monitoring of hydrolysis/condensation reactions of titania alkoxide in air". The 215th ACS National Meeting (Dallas, TX, March 29-April 2).
281. Wang, S., J. Ramirez, P.G. Wang and R.M. Leblanc. "Surface chemistry and optical properties of polyglycodiacetylene and the interaction with E. coli HB101: A Langmuir monolayer and LB films study". The 215th ACS National Meeting (Dallas, TX, March 29-April 2).
280. Wang, S., S. Vidon and R.M. Leblanc. "Dual polymerizations in a mixed-Langmuir monolayers of diacetylene derivatives and octadecyltrimethoxysilane". The 215th ACS National Meeting (Dallas, TX, March 29-April 2).

1997 (Total: 13)

279. Dziri, L. and R.M. Leblanc. "Interfacial properties and surface topography of the pure and mixed acetylcholinesterase-inhibitor at the air/aqueous and the air/solid interfaces". The First Industry/Academe Symposium on Marine and Environmental Chemistry (Holiday Inn, Highland Beach, FL, November 15).
278. Dziri, L., S. Boussaad and R.M. Leblanc. "Acetylcholinesterase monolayers at the air-water and the air-solid interfaces". The Second Annual UM Graduate Student Research/Creativity Forum (Whitten University Center, University of Miami, Coral Gables, FL, November 7).

277. Huo, Q., K.C. Russell and R.M. Leblanc. "Structure and two-dimensional properties of 2-amino-4, 6-dioctadecylamino-1, 3, 5-triazine hydrogen bonded assemblies". The Second Annual UM Graduate Student Research/Creativity Forum (Whitten University Center, University of Miami, Coral Gables, FL, November 7).
276. Wang, S., R.M. Leblanc, F. Arias and L. Echegoyen. "Study of Langmuir monolayers of crown-ether C₆₀ derivatives and their interaction with different subphase ions". The Second Annual UM Graduate Student Research/Creativity Forum Whitten University Center, University of Miami, Coral Gables, FL, November 7).
275. Huo, Q., K.C. Russell and R.M. Leblanc. "Effect of complementary hydrogen bonding on the 2-amino-4, 6-dioctadecylamino-1, 3, 5-triazine (2C₁₈ AT): Structure and properties in 2-D". The 5th China-Japan Bilateral Symposium on Intelligent Electrophotonic Materials and Molecular Electronics (Lanzhou University, Lanzhou, People's Republic of China, October 24-26).
274. Dziri, L., S. Boussaad and R.M. Leblanc. "Interfacial properties and surface topography of acetylcholinesterase in Langmuir and Langmuir-Blodgett films". Eighth International Conference on Organized Molecular Films (Asilomar, CA, August 24-29).
273. Shan, J., C. Yuan and R.M. Leblanc. "Polypyrrole with network -like pattern electropolymerized along a substrate". Eighth International Conference on Organized Molecular Films (Asilomar, CA, August 24-29).
272. Wang, S., R.M. Leblanc, F. Arias and L. Echegoyen. "Study of Langmuir monolayers of crown-ether C₆₀ derivatives and their interaction with different subphase ions". Eighth International Conference on Organized Molecular Films (Asilomar, CA, August 24-29).
271. Leblanc, R.M., F. Facca and G. Pucetti. "Surface chemistry and spectroscopy of the 2D sol-gel process". 9th International Conference on Surface and Colloid Science (Congress Center, Sofia, Bulgaria, July 6-12).
270. Leblanc, R.M., L. Dziri and K. Puppala. "Surface and spectroscopic properties of acetylcholinesterase monolayer at air/water interface". Seventy-First ACS Colloid and Surface Science Symposium (University of Delaware, Newark, Delaware, June 29-July 2).
269. Leblanc, R.M., S. Boussaad and A. Tazi. "Chlorophyll a (Chl a) dimer: A possible primary electron donor for the photosystem II (PSII)". Seventy-First Colloid and Surface Science Symposium (University of Delaware, Newark, Delaware, June 29-July 2).
268. Dziri, L. and R.M. Leblanc. "Probing molecular interaction between paraoxon and acetylcholinesterase in organized media". 213th ACS National Meeting (San Francisco, CA, April 13-17).

267. Leblanc, R.M., S. Boussaad, A. Tazi, L. Shao and N.J. Tao. "Photoelectric and surface properties of photosynthetic pigments in 2D". 41st Annual Meeting of the Biophysical Society (New Orleans, LA, March 2-6).

1996 (Total 7)

266. Shao, L. and R.M. Leblanc. "The surface fluorescence study of photosystem II at the air-water interface". 212th ACS National Meeting (Orlando, FL, August 25-29).
265. Wang, S., R.M. Leblanc, J. Ramirez and P.G. Wang. "Molecular recognition studies of poly-glyco-diacetylene monolayers and concanavalin". 70th Colloid and Surface Science Symposium (Clarkson University, Potsdam, NY, June 16-19).
264. Shao, L., V. Konka and R.M. Leblanc. "The surface and optical properties of photosystem II core complex in Langmuir films". 70th Colloid and Surface Science Symposium (Clarkson University, Potsdam, NY, June 16-19).
263. Boussaad, S., A. Tazi and R.M. Leblanc. "Direct observation of structural changes in chlorophyll *a* (Chl *a*) colloids with the scanning probe microscope". 70th Colloid and Surface Science Symposium (Clarkson University, Potsdam, NY, June 16-19).
262. Boussaad, S., A. Tazi and R.M. Leblanc. "Structural investigation of photosynthetic supramolecules and supramolecular assemblies". 24rd Annual Meeting of the American Society for Photobiology (Atlanta, GA, June 15-20).
261. Wang, S., R.M. Leblanc, J. Ramirez and P.G. Wang. "Surface and optical properties of poly-glyco-diacetylene monolayers". 211th ACS National Meeting (New Orleans, LA, March 24-28).
260. Tazi, A., S. Boussaad and R.M. Leblanc. "Scanning probe microscopy study on monogalactosyldiacylglycerol/cytochrome *f* Langmuir-Blodgett films". 40th Annual Meeting of the Biophysical Society (Baltimore, MD, February 17-21).

1995 (Total 7)

259. Li, Y.J., Y. Fan, L.G. Zhang, D.P. Jiang, A.D. Lu, S. Wang and R.M. Leblanc. "Synthesis of a substituted phthalocyaninato-polysiloxane and its LB films". The Seventh International Conference on Organized Molecular Films (Numana, Ancona, Italy, September 10-15).
258. Tazi, A., S. Boussaad, J.A. DeRose and R.M. Leblanc. "Cytochrome *f* protein LB film topography studied by atomic force microscopy". The Seventh International Conference on Organized Molecular Films (Numana, Ancona, Italy, September 10-15).
257. Chattopadhyay, A.K., L. Ghaïcha, G. Munger, Y. Bai and R.M. Leblanc. "Designing coating agents for inorganic polycrystalline materials". 210th ACS National Meeting (Chicago, IL, August 20-24).

256. Veeranjanyulu, K., B. Mainsbridge and R.M. Leblanc. "STM study of Langmuir-Blodgett films of photosystem II core complex". 210th ACS National Meeting (Chicago, IL, August 20-24).
255. Tazi, A., S. Boussaad, J.A. DeRose and R.M. Leblanc. "Scanning tunneling microscopy images of cytochrome f (cyt f), Langmuir (L-B) Films". Eight International Conference on Scanning Tunneling Microscopy/Spectroscopy and Related Techniques (Snowmass Resort, Snowmass Village, CO, July 23-28).
254. Boussaad, S., J.A. DeRose and R.M. Leblanc. "Photoconductivity and AFM/STM studies of electrodeposited chlorophyll *a* (Chl *a*)". 209th ACS National Meeting (Anaheim, CA, April 2-6).
253. Chouhaid, N., S. Hotchandani and R.M. Leblanc. "Low frequency capacitance measurements of Aluminum/Microcrystalline Chlorophyll *a*/Silver sandwich cells". Third International Conference Solar Energy Storage and Applied Photochemistry (Caire, Egypte, January 8-14).

1994 (Total 3)

252. Garrigou-Lagrange, C., P. Delhaès, V.M. Yartsev, J.L. Brousseau and R.M. Leblanc. "IETS investigation of electron - molecular vibration coupling in thin films of BEDT-TTF compounds". XLIV Convencion Anual, Aso VAC (Asociacion Venezolana para el Avance de la Ciencia), Universidad Nacional Experimental Francisco de Miranda (Venezuela, November 13-18).
251. Garrigou-Lagrange, C., P. Delhaès, V.M. Yartsev, J.L. Brousseau and R.M. Leblanc. "Inelastic electron tunneling spectroscopy of bis (ethylene dithio) tetrathiofulvalene (BEDT-TTF) compounds". IVth International Seminar on Highly Conducting Organic Materials for Molecular Electronics. (Zajaczkowo, Poland, September 20-25).
250. Boussaad, S., S. Hotchandani and R.M. Leblanc. "Abnormal temperature-dependent behavior of photocurrent in Al/microcrystalline chlorophyll *a*/Ag sandwich cells". 10e International Conference on Photochemical Conversion and Storage of Solar Energy. (Interlaken, Switzerland, July 24-29).

1993 (Total: 14)

249. Brousseau, J.L. et R.M. Leblanc. "L'étude des composés photosynthétiques à l'aide de la spectroscopie par déflexion photothermique". 9^e Congrès Régional de l'Est du Canada de l'Association canadienne pour la qualité de l'eau (Hôtel Delta, Sherbrooke, Québec, 29 octobre).
248. Veeranjanyulu, K. and R.M. Leblanc. "*In vivo* action spectra of photosynthesis I and II". Joint Annual Meeting of American Society of Plant Physiologists and Canadian Society of Plant Physiologists (Minneapolis, MN, July 31-August 4).
247. Nsengiyumva, S., S. Hotchandani and R.M. Leblanc. "Properties of Al/mixed monolayers of Chl *a*-SQDG/Ag sandwich cells". 11th International Biophysics Congress (Budapest, Hungary, July 25-30).

246. Bai, Y., G. Munger, R.M. Leblanc, A.K. Chattopadhyay and B.White. "Crystallization of ammonium nitrate under organized monolayers of various amphiphiles at the air-water interface". Sixth International Conference on Organized Molecular Films (Trois-Rivières, Québec, July 4-9).
245. Bourque, H., T. Taleb, A. Tessier and R.M. Leblanc. "Topography of chlorophyll *a* LB films studied by STM". Sixth International Conference on Organized Molecular Films (Trois-Rivières, Québec, July 4-9).
244. Chattopadhyay, A.K., L. Ghaïcha, S.G. Oh, S.E. Friberg and R.M. Leblanc. "A tale of two different tails of a surfactant". Sixth International Conference on Organized Molecular Films (Trois-Rivières, Québec, July 4-9).
243. Dupart, E., B. Agricole, S. Ravaine, C. Mingotaud, O. Fichet, P. Delhaès, G. Munger and R.M. Leblanc. "Study of a semi-fluorinated tetrathiafulvalene derivative in LB films". Sixth International Conference on Organized Molecular Films (Trois-Rivières, Québec, July 4-9).
242. Fichet, O., B. Agricole, H. Kassi, B. Desbat, V. Gionis, R.M. Leblanc, C. Garrigou-Lagrange and P. Delhaès. "Conducting Langmuir-Blodgett films based on semi-amphiphilic tetracyanoquinodimethane (TCNQ) salts: Mechanism of the homodoping process". Sixth International Conference on Organized Molecular Films (Trois-Rivières, Québec, July 4-9).
241. Nsengiyumva, S., S. Hotchandani and R.M. Leblanc. "Photovoltaic and photoelectric properties of Al/mixed monolayers of Chl *a*-SQDG/Ag sandwich cells". Sixth International Conference on Organized Molecular Films (Trois-Rivières, Québec, July 4-9).
240. Tazi, A. and R.M. Leblanc. "Study of the conformational stability of cytochrome *f* at the air-water interface". Sixth International Conference on Organized Molecular Films (Trois-Rivières, Québec, July 4-9).
239. Tessier, A., G. Munger, L. Shao, J. Gallant and R.M. Leblanc. "Absorption and fluorescence properties of monolayers measured directly at the air-water interface". Sixth International Conference on Organized Molecular Films (Trois-Rivières, Québec, July 4-9).
238. Leblanc, R.M., J. Sielewiesiuk, H. Matuo, A. Jeanson, A. Lejeune and J. Aghion. "Astaxanthin and canthaxanthin films at the air-water interface". 76th Canadian Society for Chemistry Conference and Exhibition (Sherbrooke, Québec, May 30 - June 3).
237. Leblanc, R.M., A.G. Volkov, M.I. Gugeshashvili, B. Zelent, A. Tessier, P.-F. Blanchet, D. Côté, G. Munger and A.N. Frumkin. "Light energy conversion with pheophytin a monolayer at the SnO₂ optically transparent electrode". 76th Canadian Society for Chemistry Conference and Exhibition (Sherbrooke, Québec, May 30 - June 3).

236. Nasr, C., S. Hotchandani et R.M. Leblanc. "Mesures de capacité des cellules Al/chlorophylle *a*/Ag". *Annales de l'ACFAS* 61, 225.

1992 (Total: 21)

235. N'soukpoé-Kossi, C.N., K. Veeranjanyulu and R.M. Leblanc. "Inhibition of the photosynthetic activity in sugar maple leaves by sulfur anions". The Canadian Society of Plant Physiologists. Eastern Regional Meeting (Montréal, Québec, 13-15 décembre).
234. Veeranjanyulu, K., C.N. N'soukpoé-Kossi and R.M. Leblanc. "Sulfur dioxide emission from sulfite treated birch leaves". The Canadian Society of Plant Physiologists. Eastern Regional Meeting (Montréal, Québec, 13-15 décembre).
233. Charland, M., K. Veeranjanyulu and R.M. Leblanc. "*In vivo* activities of PSI and PSII following high-light stress in sun and shade leaves". The Canadian Society of Plant Physiologists. Eastern Regional Meeting (Montréal, Québec, 13-15 décembre).
232. Markin, V.S., M.I. Gugeshashvili, A.G. Volkov, G. Munger and R.M. Leblanc. "General isotherm of adsorption of amphiphilic molecules and clusters at the oil/water and gas/water interfaces. Adsorption of pheophytin". Meeting of the American Electrochemical Society (Toronto, October 11-16).
231. Charland, M., K. Veeranjanyulu and R.M. Leblanc. "Simultaneous determination of *in vivo* activities of PSI and PSII following high light stress". 9th International Congress on Photosynthesis (Nagoya, Japan, August 30 - September 4).
230. Tian, K., G. Munger, R.M. Leblanc, O. Fichet, B. Desbat and P. Delhaès. "Molecular organization of mixed monolayers (C₁₈S)₂ dithiolium-TCNQ : docecyl-TCNQ at the air-water interface". European Conference on Molecular Electronics, Thin Solid Films (Padua, Italie, 24-28 août).
229. Munger, G., A. Tessier, Ke Tian, N.-E. Cherid and R.M. Leblanc. "Absorption and fluorescence spectroscopies of a monolayer at the gas-water interface". 38th Canadian Spectroscopy Conference (Trent University, Peterborough, ON, August 10-12).
228. Veeranjanyulu, K., M. Charland and R.M. Leblanc. "Changes in the energy storage of photosystems I and II *in vivo* during high-light treatment". American Society of Plant Physiologists Annual Meeting (Pittsburgh, PA, August 1-5).
227. Kassi, H., S. Hotchandani and R.M. Leblanc. "Charge transport in chlorophyll *a*". Gordon Research Conferences. "Frontiers of Science". Electronic Processes in Organic Material (Proctor Academy, Andover, NH, July 27-31).
226. Ioannidis, A., M.F. Lawrence, H. Kassi, R. Côté, J.P. Dodelet and R.M. Leblanc. "A study of charge transport in chloro-aluminum phthalocyanine by pulsed photoconductivity". Gordon Research Conferences. "Frontiers of Science". Electronic Processes in Organic Material (Proctor Academy, Andover, NH, July 27-31).

225. Tian, Ke, R.M. Leblanc and P. Delhaès. "Doping conductive Langmuir-Blodgett films of EDT-TTF long chain derivative". 66th Colloid and Surface Science Symposium (West Virginia University, Morgantown, WV, June 14-17).
224. Scharll, M.F., C.N. N'soukpoé-Kossi, K. Veeranjanyulu, D. Charlebois, R. Lannoye and R.M. Leblanc. "About the site of sulfite action on the photosynthetic activity of pea leaves". Third International Symposium on Gaseous Pollutants and Plant Metabolism (Virginia Polytechnic Institute and State University, Blacksburg, VA, June 13-16).
223. Bourque, H., A. Tessier et R.M. Leblanc. "Mise au point d'un microscope à effet tunnel". *Annales de l'ACFAS* 60, 240.
222. Cherid, N.-E., A. Tessier, G. Munger et R.M. Leblanc. "Mise au point d'un système de mesure pour étudier les propriétés optiques telles que l'absorption et la fluorescence à l'interface air-eau". *Annales de l'ACFAS* 60, 242.
221. Dziri, L., C.N. N'soukpoé-Kossi et R.M. Leblanc. "Étude de l'effet à long terme de doses sub-liminaire d'ozone (O₃) sur la photosynthèse de l'érable à sucre". *Annales de l'ACFAS* 60, 60.
220. N'soukpoé-Kossi, C.N., K. Veeranjanyulu, D. Charlebois and R.M. Leblanc. "Light-dependent effects of sulfite on photosynthetic activity of pea". Workshop Sulfur Metabolism: Sulfur metabolism in higher plants (Fraunhofer Institute for Atmospheric Environmental Research (IFU), Garmisch-Partenkirchen, Germany, April 21-25).
219. Veeranjanyulu, K., M. Charland and R.M. Leblanc. "Relative activities of PSI and PSII in high-light treated sugar maple leaves". Nine Annual Eastern Regional Photosynthesis Conference (Woods Hole, MA, April 10-12).
218. Charland, M., S. Malkin and R.M. Leblanc. "A photoacoustic study of water infiltrated leaves". Nine Annual Eastern Regional Photosynthesis Conference (Woods Hole, MA, April 10-12).
217. N'soukpoé-Kossi, C.N., K. Veeranjanyulu, D. Charlebois, L. Dziri, R. Bélanger et R.M. Leblanc. "Application de la spectroscopie photoacoustique et de fluorescence au domaine forestier". Colloque: La recherche sur le dépérissement. Un premier pas vers le monitoring des forêts (Hôtel des Gouverneurs, Sainte-Foy, Québec, 24-26 mars).
216. Veeranjanyulu, K., D. Charlebois, C.N. N'soukpoé-Kossi and R.M. Leblanc. "Differential effect of sulfite in light and dark on photochemical activities of intact pea leaves". Colloque: La recherche sur le dépérissement. Un premier pas vers le monitoring des forêts (Hôtel des Gouverneurs, Sainte-Foy, Québec, 24-26 mars).
215. Dziri, L., C. N. N'soukpoé-Kossi et R.M. Leblanc. "L'ozone joue-t-il un rôle dans le dépérissement des érablières?". Premier Colloque Annuel du Groupe de recherche en écologie forestière (GREF) (Université du Québec à Montréal, Montréal, Québec, 9 janvier).

1991 (Total: 12)

214. Charland, M., K. Veeranjanyulu and R.M. Leblanc. "Photosynthetic action spectra of photosystems I and II *in vivo*". The Canadian Society of Plant Physiologists. Eastern Regional Meeting (Ottawa, Ontario, December 15-17).
213. N'soukpoé-Kossi, C.N. et R.M. Leblanc. "Les effets à court terme de pluies acides simulées sur l'érable à sucre". Colloque sur les précipitations acides et sur la pollution par l'ozone (SMOG) (Hôtel Reine-Élisabeth, Montréal, Québec, 4-5 novembre).
212. Munger, G., R.M. Leblanc, B. Zelent, A.G. Volkov, M.I. Gugeshashvili, J. Gallant, H.-A. Tajmir-Riahi and J. Aghion. "Characterization of monolayers and Langmuir-Blodgett film of dry and wet chlorophyll *a*". The Fifth International Conference on Langmuir-Blodgett Films (Paris, France, August 25-30).
211. Veeranjanyulu, K., M. Charland, D. Charlebois and R.M. Leblanc. "Energy storage of photosystems I and II in intact sugar maple leaves". American Society of Plant Physiologists Annual Meeting (Albuquerque, NM, July 28-August 1).
210. Volkov, A.G., M.I. Gugeshashvili, G. Munger and R.M. Leblanc. "Photorespiration of the monolayer of hydrated chlorophyll *a* oligomer". International Symposium on Charge and Field Effects in Biosystems-III (Virginia Commonwealth University, Richmond, Virginia, July 21-27).
209. Leblanc, R.M., G. Munger, A. Tessier, B. Zelent, M.I. Gugeshashvili and A.G. Volkov. "Light energy conversion with pheophytin *a*, dry and wet chlorophyll *a* monolayers and multilayers at the optically transparent electrodes". 2nd Symposium on Photoinduced Charge Transfer (University of Rochester, Rochester, New York, July 10-13).
208. Es-Sounni, A.E., W.I. Gruszecki, H.A. Tajmir-Riahi, B. Zelent, G. Wang and R.M. Leblanc. "Complexation of chlorophyll *a* and cytochrome *c* in monolayer at the air-water interface". 7th International Conference on Surface and Colloid Science (Compiègne, France, July 7-13).
207. Zelent, B., G. Munger, R.M. Leblanc, A.G. Volkov and M.I. Gugeshashvili. "Surface chemistry and photophysical studies of dry and wet chlorophyll *a* in monolayers and thin films". 74th Canadian Chemical Conference and Exhibition (Hamilton, Ontario, June 2-6).
206. Trottier, C., C.N. N'soukpoé-Kossi, A. Achi, D. Charlebois et R.M. Leblanc. "Effets du pH d'arrosage de la terre sur l'activité photosynthétique, la croissance et le contenu pigmentaire des feuilles d'érable à sucre". Annales de l'ACFAS 59, 53.
205. Bélanger, R., A. Paquette, C.N. N'soukpoé-Kossi and R.M. Leblanc. "A new portable photoacoustic and fluorescence photometer for field measurements of photosynthesis". Eight Annual Eastern Regional Photosynthesis Conference (Woods Hole, MA, April 12-14).

204. Kassi, H., S. Hotchandani and R.M. Leblanc. "Pulsed photoconduction of chlorophyll *a*". In Proceedings of OE/LASE '91: Photochemistry and Photoelectrochemistry of Organic and Inorganic Molecular Thin Films. M.F. Lawrence *et al.*, Chairs/Editors. 1436, 68-79 (January 20-25).
203. Volkov, A.G., M.I. Gugeshashvili, M.D. Kandelaki, V.S. Markin, B. Zelent, G. Munger and R.M. Leblanc. "Artificial photosynthesis at octane/water interface in the presence of hydrated chlorophyll *a* oligomer thin film". In Proceedings of OE/LASE '91: Photochemistry and Photoelectrochemistry of Organic and Inorganic Molecular Thin Films. M.F. Lawrence *et al.*, Chairs/Editors. 1436, 68-79 (January 20-25).

1990 (Total: 28)

202. Charland, M., K. Veeranjanyulu, D. Charlebois and R.M. Leblanc. "Photoacoustic study of *in vivo* state transitions". The Canadian Society of Plant Physiologists. Eastern Regional Meeting (University of Waterloo, Waterloo, Ontario, December 13-15).
201. Charlebois, D., K. Veeranjanyulu, M. Charland and R.M. Leblanc. "Decreased heat emission during high-light treatment". The Canadian Society of Plant Physiologists. Eastern Regional Meeting (University of Waterloo, Waterloo, Ontario, December 13-15).
200. Veeranjanyulu, K., M. Charland, D. Charlebois and R.M. Leblanc. "Possible involvement of O₂-consuming processes to photoacoustic signal in leaves". The Canadian Society of Plant Physiologists. Eastern Regional Meeting (University of Waterloo, Waterloo, Ontario, December 13-15).
199. Salesse, C., D. Ducharme, M. Grandbois, O. Karthans, R.M. Leblanc, P. Meller, C. Mertesdorf and H. Ringsdorf. "Ellipsometric and fluorescence microscopy measurements of a cyclame and a triphenylene derivative at the air-water interface". 3rd European Conference in Organized Organic Thin Films (ECOF) (Mainz, F.R.G., October 11-13).
198. Leblanc, R.M., S. Hotchandani, G. Munger, H.A. Tajmir-Riahi and B. Zelent. "Fluorescence, infrared and photovoltaic properties of chlorophyll *a* in Langmuir-Blodgett films". Fifth International Conference on Solid Films and Surfaces (Brown University, Providence, RI, August 13-17).
197. N'soukpoé-Kossi, C.N., M. Charland and R.M. Leblanc. "Monitoring the photosynthetic activity in intact leaves by photoacoustic spectroscopy". 19th World Congress of International Union of Forestry Research Organizations (IUFRO) (Montréal, Québec, August 5-11).
196. Veeranjanyulu, K., D. Charlebois, C.N. N'soukpoé-Kossi and R.M. Leblanc. "Photoacoustic study of photosynthesis impairment by sulfite in intact pea leaf". 19th World Congress of International Union of Forestry Research Organizations (IUFRO) (Montréal, Québec, August 5-11).

195. Veeranjanyulu, K., C.N. N'soukpoé-Kossi and R.M. Leblanc. "Photoacoustic spectroscopy study of SO₂, ozone and acid rain effect on photosynthesis of sugar maple and corn". 19th World Congress of International Union of Forestry Research Organizations (IUFRO) (Montréal, Québec, August 5-11).
194. Es-Sounni, A., W.I. Gruszecki, H.-A. Tajmir-Riahi, B. Zelent, G. Wang and R.M. Leblanc. "Complexation of chlorophyll *a* and cytochrome *c* in monolayer at the air-water interface". Satellite Meeting - 1990 Biophysics Congress (Montréal, Québec, August 4-7).
193. Charlebois, D., K. Veeranjanyulu, C.N. N'soukpoé-Kossi, M. Charland and R.M. Leblanc. "Photoacoustic spectroscopy applied to the study of photosynthesis *in vivo*: Looking at the effect of some pollutants". 36th Canadian Spectroscopy Conference (St. Catharines, Ontario, August 1-3).
192. Baddou, D., J. Ségui, S. Hotchandani and R.M. Leblanc. "Photovoltaic properties of CdS/chlorophyll *a*/Ag sandwich cells". Gordon Research Conference on Electronic Processes in Organic Materials (Plymouth, NH, July 30 - August 3).
191. Boussaad, S., S. Hotchandani and R.M. Leblanc. "Effect of temperature on photoelectric properties of Al/chlorophyll *a*/Ag cells". Gordon Research Conference on Electronic Processes in Organic Materials (Plymouth, NH, July 30 - August 3).
190. Kassi, H., S. Hotchandani and R.M. Leblanc. "Pulsed photoconductivity of chlorophyll *a*". Gordon Research Conference on Electronic Processes in Organic Materials (Plymouth, NH, July 30 - August 3).
189. Lorrain, L., M. Havaux, A. Tessier and R.M. Leblanc. "Photothermal deflection spectroscopy of photosynthetic pigments *in vivo* and *in vitro*". 10th International Biophysics Congress (Vancouver, British Columbia, July 29 - August 3).
188. N'soukpoé-Kossi, C.N., K. Veeranjanyulu, D. Charlebois and R.M. Leblanc. "Sensitivity of the energy storage efficiency of isolated chloroplasts to sulfur dioxide and sulfite as studied by photoacoustic spectroscopy". 10th International Biophysics Congress (Vancouver, British Columbia, July 29 - August 3).
187. Tajmir-Riahi, H.-A., G. Wang and R.M. Leblanc. "Far-infrared spectra of Langmuir-Blodgett films of mono- and multilayers of chlorophylls *a* and *b* and pheophytins and their adducts with water and dioxane". 64th Colloid and Surface Science Symposium and Nucleation Symposium (Lehigh University, Bethlehem, PA, June 18-20).
186. Veeranjanyulu, K., C.N. N'soukpoé-Kossi and R.M. Leblanc. "Effect of SO₂ on *in vivo* photosynthetic activity of sugar maple leaves as detected by photoacoustic spectroscopy". 32nd Annual Meeting of the Canadian Society of Plant Physiologists (Montréal, Québec, June 17-20).
185. Gauvin, S. and R.M. Leblanc. "Inelastic electron tunneling spectroscopy as a tool to analyze surfactants". 8th International Symposium on Surfactants in Solution (University of Florida, Gainesville, FL, June 10-15).

184. Ghaïcha, L., A.K. Chattopadhyay and R.M. Leblanc. "Monolayer studies on some long chain dicarboxylic acid derivatives". 8th International Symposium on Surfactants in Solution (University of Florida, Gainesville, FL, June 10-15).
183. Charlebois, D., K. Veeranjanyulu, C. Bertrand, C.N. N'soukpoé-Kossi et R.M. Leblanc. "Effets de l'ozone et du bioxyde de soufre sur la photosynthèse de l'érable à sucre: étude par spectroscopie photoacoustique". Colloque sur "Le dépérissement des érablières: causes et solutions possibles". (Faculté de foresterie et de géomatique, Université Laval, Québec, Québec, 14-17 mai).
182. Brousseau, J.-L., A. Tessier et R.M. Leblanc. "Propriétés des films minces de SnO₂ déposés par pulvérisation réactive". *Annales de l'ACFAS* 58, 231.
181. Charlebois, D., K. Veeranjanyulu, C. Bertrand, C.N. N'soukpoé-Kossi et R.M. Leblanc. "Effets de l'ozone et du bioxyde de soufre sur la photosynthèse de l'érable à sucre: étude par spectroscopie photoacoustique". *Annales de l'ACFAS* 58, 303.
180. Es-Sounni, A. et R.M. Leblanc. "Interactions en monocouches mixtes lipides-protéines à l'interface air/eau". *Annales de l'ACFAS* 58, 425.
179. Lorrain, L. et R.M. Leblanc. "La spectroscopie par effet mirage: potentiel de la méthode pour l'étude de l'activité photosynthétique". *Annales de l'ACFAS* 58, 8.
178. N'soukpoé-Kossi, C.N., L. Lorrain, M. Havaux and R.M. Leblanc. "Monitoring the photochemical energy storage in stressed leaves using the photothermal deflection spectroscopy". Eastern Regional Photosynthesis Conference (Woods Hole, MA, April 4-6).
177. Gruszecki, W.I., B. Zelent and R.M. Leblanc. "Carotenoid fluorescence". 34th Annual Meeting of the Biophysical Society (Baltimore Convention Center, Baltimore, MD, February 18-22).
176. Lamarche, F., J.J. Max, P. Lavigne and R.M. Leblanc. "A qualitative and quantitative study on the binding of cytochrome *c* to a dioleoylphosphatidylcholine monolayer spread at the air-water interface". 34th Annual Meeting of the Biophysical Society (Baltimore Convention Center, Baltimore, MD, February 18-22).
175. Blanchet, P.F., S. Lavigne and R.M. Leblanc. "Photoelectrochemical studies of ultrathin films of chlorophyll *a* on thin oxide electrodes". Gordon Research Conference (Ventura, CA, January 15-19).

1989 (Total: 18)

174. Carpentier, R., R.M. Leblanc and M. Mimeault. "Photoacoustic measurement of energy storage in photosystem I and photosystem II". The Canadian Society of Plant Physiologists. Eastern Regional Meeting (The University of Western Ontario, London, Ontario, December 14-16).

173. Lorrain, L. and R.M. Leblanc. "Photothermal Deflection Spectroscopy: A new method for measuring the photothermal energy storage in photosynthesis". The Canadian Society of Plant Physiologists. Eastern Regional Meeting (The University of Western Ontario, London, Ontario, December 14-16).
172. Charlebois, D. et R.M. Leblanc. "Étude de l'activité photosynthétique à l'aide de la spectroscopie photoacoustique: application en écotoxicologie". 5^e Congrès régional de l'Est de l'Association canadienne pour la recherche sur la pollution de l'eau et sa maîtrise (ACRPEM) (Université du Québec à Trois-Rivières, Trois-Rivières, Québec, 20 octobre).
171. Lorrain, L., M. Havaux et R.M. Leblanc. "Étude de l'activité photosynthétique à l'aide de la spectroscopie par effet mirage. Potentiel de la méthode dans le domaine de la pollution de l'eau". 5^e Congrès régional de l'Est de l'Association canadienne pour la recherche sur la pollution de l'eau et sa maîtrise (ACRPEM) (Université du Québec à Trois-Rivières, Trois-Rivières, Québec, 20 octobre).
170. Moxhet, A., G. Munger, R.M. Leblanc, A. Losev and J. Aghion. "Preliminary studies with Pd-Octa-ethyl-porphyrin: Spectroscopy, photochemistry, surface properties". Third Congress of the European Society for Photobiology (Budapest, Hungary, August 27 - September 2).
169. Gauvin, S. and R.M. Leblanc. "Inelastic electron tunneling spectroscopy as a tool for biophysics". 1st Rideau Symposium/Workshop on Vibrational Spectroscopy (Stirling Hall, Queen's University, Kingston, Ontario, August 9-11).
168. N'soukpoé-Kossi, C.N., H. Proteau, R. Bélanger, S. Keilani, D. Charlebois and R.M. Leblanc. "Impact of air pollutants and acid rains on corn and sugar maple seedlings assessed by the photoacoustic spectroscopy". Sixth International Meeting on Photoacoustic and Photothermal Phenomena (Baltimore, MD, July 3 - August 3).
167. Ducharme, D. and R.M. Leblanc. "Ellipsometry: A powerful tool to investigate the properties of thin-film-forming molecules at the gas-water interface". 63rd Colloid and Surface Science Symposium (The University of Washington, Seattle, WA, June 18-21).
166. Gauvin, S. and R.M. Leblanc. "Inelastic electron tunneling spectroscopy of lipids". 72nd Canadian Chemical Conference and Exhibition (University of Victoria, Victoria, British Columbia, June 4-8).
165. Blanchet, P.-F., A. Tessier, A. Paquette, D. Côté et R.M. Leblanc. "Photoélectrochimie de films ultraminces sur des électrodes transparentes. Appareillage et études avec la chlorophylle *a*". Journées d'électrochimie 1989. (Montpellier, France, 29 mai - 1^{er} juin).
164. Gallant, J. et R.M. Leblanc. "Purification des lipides du thylacoïde par CLHP". Annales de l'ACFAS 57, 46.

163. Gauvin, S. et R.M. Leblanc. "La spectroscopie vibrationnelle de la chlorophylle par effet tunnel inélastique: un nouvel outil de recherche en photosynthèse". *Annales de l'ACFAS* 57, 246.
162. Kassi, H., S. Hotchandani et R.M. Leblanc. "Paramètres de transport du semi-conducteur chlorophylle *a*". *Annales de l'ACFAS* 57, 244.
161. Leblanc, R.M., G. Picard, J. Aghion, C. Le Crom and F. Lamarche. "Fluorescence properties of Langmuir-Blodgett films of chlorophyll *a*/lipid and chlorophyll *a*/protein mixtures compared with photosystem II emission properties". Fourth International Conference on Langmuir-Blodgett films (Tsukuba, Japan, April 24-29).
160. Shibata, O., D. Ducharme, G. Munger and R.M. Leblanc. "Mixed monolayer properties of membrane lipids". Fourth International Conference on Langmuir-Blodgett films (Tsukuba, Japan, April 24-29).
159. Charlebois, D., R. Bélanger, H. Proteau, S. Keilani, C.N. N'soukpoé-Kossi et R.M. Leblanc. "Impact de certains polluants gazeux et des pluies acides sur la photosynthèse du maïs et de l'érable à sucre: étude photoacoustique". Atelier de travail sur le dépérissement des érablières (Centre de recherche acéricole, St-Hyacinthe, Québec, 23-24 février).
158. N'soukpoé-Kossi, C.N., S. Keilani, H. Proteau, R. Bélanger and R.M. Leblanc. "Assessment of acid-damage to photosynthesis by photoacoustic spectroscopy". 33rd Annual Meeting of the Biophysical Society (Albert S. Sabin Convention Center, Cincinnati, OH, February 12-16).
157. Blanchet, P.F., A. Tessier, A. Paquette, D. Côté and R.M. Leblanc. "Cell design and monochromator-microcomputer interface for photoelectrochemical studies of ultra-thin films at semi-transparent electrodes". Gordon Research Conference (Electrochemistry) (Ventura, CA, January 16-20).

1988 (Total: 8)

156. Charlebois, D., C.N. N'soukpoé-Kossi, M. Yoon, M. Charland and R.M. Leblanc. "Photorespiration in C₃ green leaves as detected by photoacoustic spectroscopy". Eastern Regional Meeting, Canadian Society of Plant Physiologists (McGill University, Montréal, Québec, December 15-17).
155. Leblanc, R.M., C.N. N'soukpoé-Kossi, M. Yoon, M. Charland and D. Charlebois. "Detection of photorespiration by photoacoustic spectroscopy". 10th International Congress on Photobiology (Jerusalem, Israel, October 30 -November 6).
154. Lamarche, F., J. Aghion and R.M. Leblanc. "Surface and optical properties of a lipid-protein interaction at air-water interface". 7th International Symposium on Surfactants in Solution (Ottawa, Ontario, October 2-7).
153. Shibata, O., D. Ducharme and R.M. Leblanc. "Chlorophyll *a*-protein characterized at the air-water interface properties, radioactivity and spectroscopy". Colloid and Interface Chemistry Meeting (Tokyo, Japan, September 28-30), 6-ICSCS, 126-127.

152. Max, J.J., S. Hotchandani, A. Désormeaux and R.M. Leblanc. "Influence of the insulating layer on capacitance characteristics of Al/chlorophyll *a*/Ag sandwich cells". 7th International Conference of Photochemical Conversion and Storage of Solar Energy (Chicago, IL, July 31 - August 5).
151. Shibata, O., D. Ducharme and R.M. Leblanc. "Mixed monolayers of chlorophyll *a* with digalactosyldiacylglycerol". 6th International Conference on Surface and Colloid Science (Hakone, Japan, June 5-10).
150. Charland, M., M. Yoon, C.N. N'soukpoé-Kossi, D. Charlebois and R.M. Leblanc. "Unusual effect of actinic light on photoacoustic signal from intact sugar maple leaf". Eastern Regional Photosynthesis Conference (Woods Hole, MA, April 8-10).
149. Charlebois, D., M. Yoon, C.N. N'soukpoé-Kossi, M. Charland and R.M. Leblanc. "Depth profile of plant leaf studied by photoacoustic spectroscopy". Eastern Regional Photosynthesis Conference (Woods Hole, MA, April 8-10).

1987 (Total: 7)

148. N'soukpoé-Kossi, C.N., M. Yoon, M. Charland, D. Charlebois et R.M. Leblanc. "Détermination de l'activité photosynthétique par la spectroscopie photoacoustique". Atelier de travail: Recherche sur le dépérissement des érablières (Victoriaville, Québec, 25-26 novembre).
147. Ducharme, D., C. Salesse, J.J. Max and R.M. Leblanc. "An ellipsometric study of the physical states of an homologous series of phosphatidylcholine at air-water interface". 3rd International Conference on Langmuir-Blodgett films (Göttingen, FRG, July 26-31).
146. Désormeaux, A., J.J. Max, S. Hotchandani and R.M. Leblanc. "Characterization of Al/chlorophyll *b*/Ag sandwich cells by photovoltaic studies". 70th Canadian Chemical Conference (Québec, Québec, June 7-11).
145. Ducharme, D. and R.M. Leblanc. "Ellipsometric study of phase transitions of dipalmitoylphosphatidylcholine at air-water interface". 70th Canadian Chemical Conference (Québec, Québec, June 7-11).
144. Picard, G., A. Tessier and R.M. Leblanc. "Fluorescence lifetime of Chl *a*-lipid monolayers determined at the nitrogen-water interface". 70th Canadian Chemical Conference (Québec, Québec, June 7-11).
143. Baddou, D., S. Hotchandani, A. Diarra, J.J. Max et R.M. Leblanc. "Mesures photovoltaïques de cellules solaires". *Annales de l'ACFAS* 55, 277.
142. Désormeaux, A., J.J. Max, S. Hotchandani, M. Ringuet and R.M. Leblanc. "Photovoltaic properties of sandwich cells of chlorophyll *a*, *b* and zinc porphyrin complex". 31st Annual Meeting of the Biophysical Society (New Orleans, LA, February 22-26).

1986 (Total: 19)

141. Frackowiak, D., L.G. Erokhina, G. Picard and R.M. Leblanc. "Polarized spectra of phycobilisomes from *Anacystis*, *Nostoc* and *Anabaena*". First European Congress of Photobiology (Grenoble, France, September 7-12).
140. Kafalieva, D.N. and R.M. Leblanc. "Utilization of light energy in electron transfer reactions via PSI". First European Congress of Photobiology (Grenoble, France, September 7-12).
139. Picard, G., F. Lamarche, A. Tessier and R.M. Leblanc. "Effect of the lipid and protein environment on the fluorescence properties of chlorophyll *a* in Langmuir-Blodgett films". XXIV Coordination Conference and Scientific Symposium on the CMEA Problem (Jelenia Gora, Pologne, September).
138. Picard, G., A. Tessier and R.M. Leblanc. "Fluorescence properties of chlorophyll *a* in Langmuir-Blodgett films". International Symposium on Molecular Luminescence and Photophysics (Torun, Pologne, September).
137. Frackowiak, D., W. Hendrich, J. Kieleczawab, A. Szczepaniak, J. Szurkowski, M. Romanowski and R.M. Leblanc. "Polarized photoacoustic, absorption and fluorescence spectra of PS1 and PS2 particles embedded in polymer films". VII International Congress on Photosynthesis (Brown University, Providence, RI, August 10-15).
136. Picard, G., G. Munger and R.M. Leblanc. "Photosystem II emission properties compared with chl *a*/lipid and chl *a*/protein fluorescence studied by Langmuir-Blodgett films". VII International Congress on Photosynthesis (Brown University, Providence, RI, August 10-15).
135. Popovic, R., R.M. Leblanc and M. Beauregard. "Photoacoustic action spectra of bundle-sheath cells of *Zea Mays*". VII International Congress on Photosynthesis (Brown University, Providence, RI, August 10-15).
134. Max, J.J., S. Hotchandani and R.M. Leblanc. "Role of weak conductive layer in the low value of the efficiency of Al/Chl *a*/Ag sandwich cells". 6th International Conference of Photochemical Conversion and Storage of Solar Energy (Paris, France, July 20-25).
133. Diarra, A., S. Hotchandani, J.J. Max and R.M. Leblanc. "Absorption spectroscopic properties of Langmuir-Blodgett films of canthaxanthin". American Society for Photobiology, 14th Annual Scientific Meeting (Sheraton Universal, Universal City, Los Angeles, CA, June 22-26).
132. Dick, H., J.R. Bolton, G. Munger, G. Picard and R.M. Leblanc. "The fluorescence lifetime of a mixed monolayer of phosphatidylcholine (PC) and 4-(5-carboxyphenyl) 10, 15, 20-tritolylporphyrin (TTPa)". 69^e Congrès de l'Institut de Chimie du Canada (Saskatoon, Saskatchewan, 1-4 juin).

131. Ringuet, M., J. Gagnon and R.M. Leblanc. "Temperature and pH effects on the monolayer properties of a surfactant carboxyporphyrin". 69^e Congrès de l'Institut de Chimie du Canada (Saskatoon, Saskatchewan, 1-4 juin).
130. Jeanson, A., A. Lejeune, J. Aghion, J. Siewewiesiuk, H. Matuo and R.M. Leblanc. "Astaxanthin and canthaxanthin films at the water-air interface". Biological Society for Biophysics (Brussels, Belgium, May 30).
129. Désormeaux, A., M. Ringuet et R.M. Leblanc. "Étude des propriétés monomoléculaires à l'interface air-eau et des caractéristiques spectrales de porphyrines surfactantes". *Annales de l'ACFAS* 54, 103.
128. Diarra, A., S. Hotchandani, J.J. Max et R.M. Leblanc. "Mesures de capacitance des cellules photovoltaïques à base de mélange de chlorophylle *a* et de canthaxanthine". *Annales de l'ACFAS* 54, 99.
127. Gauvin, S., H. Jones et R.M. Leblanc. "Spectroscopie par effet tunnel inélastique de composés d'intérêt biologique". *Annales de l'ACFAS* 54, 338.
126. Lamarche, F. et R.M. Leblanc. "Propriétés interfaciales de l'acide octadécanoïque déterminées par radioactivité de surface". *Annales de l'ACFAS* 54, 48.
125. Correia, M., F. Lamarche, J. Aghion and R.M. Leblanc. "A monolayer study of interactions between chloroplast proton-ATPase and phospholipids". Société de Physiologie-Végétale de la Commission Française de Belgique (Liège, Belgique, 25 avril).
124. Picard, G., G. Munger, R.M. Leblanc, C. Le Crom and J. Aghion. "Effects of lipidic environment on chl *a* emission properties studied by Langmuir-Blodgett films". Eastern Regional Photosynthesis Conference (Woods Hole, MA, March 14-16).
123. Leblanc, R.M., B. LaRue and A. Désormeaux. "The origin of the photoacoustic effect in leaves from *Impatiens Petersiana*". 30th Annual Meeting of the Biophysical Society (San Francisco, CA, February 9-13).

1985 (Total: 14)

122. Picard, G., R.M. Leblanc, G. Munger, R. Le Sage and D.K. Sharma. "Fluorescence lifetime of a chlorophyll *a* monolayer". 1985 Congress on Advances in Spectroscopy and Laboratory Science (Toronto International Centre and the Cara Inn (Airport), Toronto, Ontario, October 7-10).
121. Salesse, C., D. Ducharme, R.M. Leblanc and F. Boucher. "Ellipsometric measurement of the orientation of rhodopsin at the nitrogen-water interface". Federation of American Societies for Experimental Biology (FASEB) Summer Research Conferences (Saxtons River, VT, August 11-16).
120. Boucher, F. and R.M. Leblanc. "Photoacoustic spectroscopy of bovine retina and retinal pigment epithelium". 4th Topical Meeting on Photoacoustic, Thermal and Related Sciences (Hôtel de l'Estérel, Montréal, Québec, August 4-8).

119. Carpentier, R., H.C.P. Matthijs, R.M. Leblanc and G. Hind. "Monitoring energy conversion in photosystem I of cyanobacterial heterocysts by photoacoustic spectroscopy". 4th Topical Meeting on Photoacoustic, Thermal and Related Sciences (Hôtel de l'Estérel, Montréal, Québec, August 4-8).
118. Désormeaux, A. and R.M. Leblanc. "Photoacoustic spectroscopy of chlorophyll *a* in various model systems". 4th Topical Meeting on Photoacoustic, Thermal and Related Sciences (Hôtel de l'Estérel, Montréal, Québec, August 4-8).
117. LaRue, B., R.M. Leblanc and A. Désormeaux. "The origin of the photoacoustic effect in leaves from *Impatiens Petersiana*". 4th Topical Meeting on Photoacoustic, Thermal and Related Sciences (Hôtel de l'Estérel, Montréal, Québec, August 4-8).
116. Désormeaux, A. and R.M. Leblanc. "Electronic and photoacoustic spectroscopies of chlorophyll *a* in mono- and multilayer arrays and their comparison with other model systems". Second International Conference on Langmuir-Blodgett Films (Schenectady, NY, July 1-4).
115. Ducharme, D., C. Salesse, R.M. Leblanc and F. Boucher. "Ellipsometric studies of biological components at the nitrogen-water interface". Second International Conference on Langmuir-Blodgett Films (Schenectady, NY, July 1-4).
114. Munger, G., L. Lorrain and R.M. Leblanc. "An adjustable speed and vibration free hydraulic system for multilayers deposition". Second International Conference on Langmuir-Blodgett Films (Schenectady, NY, July 1-4).
113. Lamarche, F. and R.M. Leblanc. "Surface and optical properties of a chlorophyll *a*-protein association". 5th International Conference on Surface and Colloid Science and the 59th Colloid and Surface Science Symposium (Clarkson College, Potsdam, NY, June 24-28).
112. Arseneault, E., A. Diarra, S. Hotchandani, J.J. Max and R.M. Leblanc. "Photovoltaic properties of pure and mixed monolayers of photosynthetic pigments". Intersol 85, Société internationale de l'énergie solaire (Montréal, Québec, June 23-29).
111. Guay, D. et R.M. Leblanc. "Étude monomoléculaire de films mixtes chlorophylle *a*/quinone". Annales de l'ACFAS 52-53, 69.
110. Salesse, C., D. Ducharme, R.M. Leblanc et F. Boucher. "Orientation de la rhodopsine à l'interface azote-eau". Annales de l'ACFAS 52-53, 33.
109. Lamarche, F., R.M. Leblanc and A. English. "Chlorophyll-protein interactions: A model approach". 29th Annual Meeting on the Biophysical Society (Baltimore, MD, February 24-28).

1984 (Total: 11)

108. Arseneault, E., S. Hotchandani and R.M. Leblanc. "Power conversion efficiency of chlorophyll *a* (Chl *a*) + α -tocopheryl quinone (α -TCPQ) cells". 31st Canadian Spectroscopy Symposium (St-Jovite, Québec, September 30 -October 3).
107. Diarra, A., S. Hotchandani and R.M. Leblanc. "Photovoltaic studies of chlorophyll *a* (Chl *a*) + carotenoid (canthaxanthin) cells". 31st Canadian Spectroscopy Symposium (St-Jovite, Québec, September 30 - October 3).
106. Salesse, C., D. Ducharme, R.M. Leblanc and F. Boucher. "Surface pressure, surface potential and ellipsometric measurements of rod outer segment disc membrane components at nitrogen-water interface". 8th International Biophysics Congress (Bristol, U.K., July 24 - August 4).
105. Hotchandani, S., R.H. Clarke and R.M. Leblanc. "Zero-field ODMR of chlorophyll *b* triplet in n-octane". Ninth International Congress on Photobiology (Philadelphia, PA, July 1-6).
104. Munger, G., J. Aghion and R.M. Leblanc. "Monomolecular films of chlorophyll *a* at an air-water interface". 58th Colloid and Surface Science Symposium (Pittsburgh, PA, June 10-13).
103. Ducharme, D., C. Salesse and R.M. Leblanc. "A null ellipsometer for studying monomolecular film at the air-water interface". 67^e Congrès de l'Institut de Chimie du Canada (Montréal, Québec, 3-6 juin).
102. Chapados, C., L. Parent, S. Hotchandani et R.M. Leblanc. "Les différences spectroscopiques de la chlorophylle *a* en monocouche et en multicouche". *Annales de l'ACFAS* 51, 61.
101. Désormeaux, A. et R.M. Leblanc. "Spectroscopie photoacoustique de la chlorophylle *a* sous différents états d'agrégation". *Annales de l'ACFAS* 51, 33.
100. Lamarche, F., R.M. Leblanc et A. English. "Préparation et propriétés d'un modèle de complexe chlorophylle-protéine". *Annales de l'ACFAS* 51, 19.
99. Paquin, P., M. Brullemans, P. Tancrede et R.M. Leblanc. "Propriétés électriques de membranes asymétriques: application à l'étude de la membrane discale des bâtonnets rétiniens". *Annales de l'ACFAS* 51, 29.
98. Chapados, C., L. Parent, S. Hotchandani and R.M. Leblanc. "Aggregation of chlorophyll *a* in mono- and multilayer". 28th Annual Meeting of the Biophysical Society (San Antonio, TX, February 19-23).

1983 (Total: 16)

97. Frackowiak, D., S. Hotchandani, R.M. Leblanc and J. Szurkowski "Photoacoustic spectra of chlorophyll *a* and chlorophyll *b* in nematic liquid crystal". 21st Conference and Symposium on Biological Conversion of Solar Energy (Visegrad, Hungary, October 3-8).

96. Boucher, F., J. Baribeau and R.M. Leblanc. "Energy storage in the primary photoreactions of rhodopsin and bacteriorhodopsin". British Photobiology Society - Arvo 1983 (University of Bristol, Bristol, England, September 13-16).
95. Boucher, F. and R.M. Leblanc. "Photoacoustic spectroscopy of the primary processes in vision". XIth International Conference on Photochemistry (The University of Maryland, College Park, MD, August 21-26).
94. Frackowiak, D., S. Hotchandani and R.M. Leblanc. "Photoacoustic spectra of chl *a* and chl *b* in nematic liquid crystals". 6th International Congress on Photosynthesis (Vrije Universiteit Brussels, Belgium, August 1-6).
93. Leblanc, R.M., R. Carpentier and B. LaRue. "A photoacoustic spectroscopy study of *Anacystis nidulans*". 6th International Congress on Photosynthesis (Vrije Universiteit Brussels, Belgium, August 1-6).
92. Hotchandani, S., D. Frackowiak and R.M. Leblanc. "Photoacoustic spectra of biliproteins in polyvinyl alcohol (PVA) films". American Society for Photobiology. 11th Annual Meeting (University of Wisconsin, Madison, WI, June 26-30).
91. Robert, S., A. Houle, P. Tancrede and R.M. Leblanc. "Design and construction of a laser spectrofluorimeter for the study of planar asymmetrical membranes incorporating photosynthetic pigments". The Physics of Monolayers, Bilayers and Biological Membranes (McGill University, Montréal, Québec, June 19-23).
90. Salesse, C., F. Boucher and R.M. Leblanc. "The monolayer methodology as a purity criterion for the rod outer segment membranes". The Physics of Monolayers, Bilayers and Biological Membranes (McGill University, Montréal, Québec, June 19-23).
89. Ringuet, M., J. Gagnon, G. Munger and R.M. Leblanc. "Synthesis and monolayer properties of dioctadecyldeuteroporphyrin II". 66^e Congrès de l'Institut de Chimie du Canada (Calgary, Alberta, June 5-8).
88. Carpentier, R., G. Bellemare et R.M. Leblanc. "Photodécoloration de la chlorophylle *a* dans les complexes chlorophylle-protéine et dans différents types de membranes photosynthétiques". Annales de l'ACFAS 50, 14.
87. Carpentier, R., B. LaRue et R.M. Leblanc. "Spectroscopie photoacoustique de l'algue bleue-verte *Anacystis nidulans*". Annales de l'ACFAS 50, 14.
86. Ducharme, D., A.F. Antippa et R.M. Leblanc. "Ellipsométrie à longueurs d'onde multiples: épaisseur et indices de réfraction de films minces, uniaxiaux, non absorbants". Annales de l'ACFAS 50, 196.
85. Ducharme, D., A. Tessier et R.M. Leblanc. "Mise au point d'un ellipsomètre permettant l'examen de monocouche à l'interface air-eau". Annales de l'ACFAS 50, 53.
84. Parent, L., D. Côté, R.M. Leblanc et J.P. Dodelet. "Transfert d'électron entre la chlorophylle *a* et la phéophytine *a* en multicouche". Annales de l'ACFAS 50, 25.

83. Carpentier, R., B. LaRue and R.M. Leblanc. "Photoacoustic spectroscopy of *Anacystis nidulans*. Detection of photosynthetic activities". Troisième conférence internationale de spectroscopie photoacoustique et photothermique (Paris, France, 5-8 avril).
82. Tancrède, P., S. Robert, C. Désilets and R.M. Leblanc. "The effect of pH on the interactions in mixed monolayers between phosphatidylethanolamine and all-trans retinal". 27th Annual Meeting of the Biophysical Society (San Diego, CA, February).

1982 (Total: 12)

81. Frackowiak, D. and R.M. Leblanc. "Photoacoustic spectra of phycobiliproteins and chlorophyllin in PVA films". 29th Canadian Spectroscopy Symposium (St-Jovite, Québec, September 26-29).
80. Hotchandani, S., D. Frackowiak and R.M. Leblanc. "Electric field effects on polarized absorption of chlorophylls in nematic liquid crystals". 29th Canadian Spectroscopy Symposium (St-Jovite, Québec, September 26-29).
79. Paquin, P., S. Robert, P. Tancrède and R.M. Leblanc. "Molecular interactions between retinal isomers and phospholipids in monolayers and bilayers". Biophysics Summer School: The physics of monolayers, bilayers and biological membranes. (St. Francis Xavier University, Antigonish, Nova Scotia, July 4-10).
78. Frackowiak, D. and R.M. Leblanc. "Photoacoustic spectra of biliproteins and chlorophyllin in PVA films". American Society for Photobiology, 10th Annual Meeting (University of British Columbia, Vancouver, British Columbia, June 27 - July 1).
77. Hotchandani, S., R.M. Leblanc, R.H. Clarke, F. Bellemare and M. Fragata. "Zero-field optical detection of magnetic resonance of triplet state of chlorophyll b in lipid bilayer vesicles". American Society for Photobiology, 10th Annual Meeting (University of British Columbia, Vancouver, British Columbia, June 27 - July 1).
76. Chapados, C. and R.M. Leblanc. "Influence of water on a monomolecular array of chlorophyll molecules". 65^e Congrès de l'Institut de Chimie du Canada (Toronto, Ontario, May 31 - June 3).
75. Dijkmans, H., P. Tancrède, R.M. Leblanc and J. Aghion. "The setting and measurement of proton and electron vectorial transport across membranes of azolectin unilamellar vesicles in aqueous suspension. Enzymatic photosynthesis of ATP *in vitro*". International Workshop on Photobiology (Jeju Island, Korea, May 26-29).
74. Paquin, P., P. Tancrède et R.M. Leblanc. "Propriétés électriques de membranes lipidiques asymétriques incorporant le tout-trans et le 11-cis rétinol". Annales de l'ACFAS 49, 27.
73. Robert, S., P. Tancrède et R.M. Leblanc. "Étude en monocouche mixte des interactions entre la phosphatidyléthanolamine extraite de rétines bovines, la

distearoyl-1-phosphatidyléthanolamine et le tout-trans rétinol". *Annales de l'ACFAS* 49, 27.

72. Téchy, F., B. St-Onge, J. Aghion et R.M. Leblanc. "Interaction du cytochrome c avec des monocouches de lipides et de pigments photosynthétiques". *Annales de l'ACFAS* 49, 13.
71. Tancrede, P., S. Robert, L. Parent and R.M. Leblanc. "Thermodynamics of interaction of phospholipids with retinals". 26th Annual Meeting of the Biophysical Society (Boston, MA, February).
70. Tessier, M., R.M. Leblanc and F. Boucher. "Stabilization of metarhodopsin I at room temperature". 26th Annual Meeting of the Biophysical Society (Boston, MA, February). *Biophys. J.* 37, 87a.

1981 (Total: 14)

69. Carpentier, R., B. LaRue and R.M. Leblanc. "Photoacoustic spectroscopy of the Blue-Green Alga *Anacystis nidulans*". 11th Northeast Regional Meeting of the American Chemical Society (Rochester, NY, October 18-21).
68. Bélanger, D. and R.M. Leblanc. "Spectroscopic properties of chlorophyll *a* in the near infrared region". 28th Canadian Spectroscopy Symposium (Ottawa, Ontario, September 28-30).
67. Leblanc, R.M., M. Loranger and L. Lavoie. "Photoacoustic spectroscopy of chlorophyll *a* in different environments". 28th Canadian Spectroscopy Symposium (Ottawa, Ontario, September 28-30).
66. Aghion, J., F. Téchy, M. Widart and R.M. Leblanc. "Binding of chlorophylls and analogs upon various proteins". VII International Biophysics Congress and III Pan-American Biochemistry Congress (Mexico City, Mexico, August 23-28).
65. Tancrede, P., P. Paquin, A. Houle and R.M. Leblanc. "Preparation of asymmetric membranes from characterized monolayers". 28th IUPAC Congress (Vancouver, British Columbia, August 16-21).
64. Hotchandani, S., S. Jagannathan, R.H. Clarke, R.M. Leblanc and M. Fragata. "Investigation into the structural features of chlorophylls by optically detected zero-field magnetic resonance". Congress of the American Society for Photobiology (Williamsburg, VA, June 15-18).
63. Aghion, J., G. Munger and R.M. Leblanc. "Mixed monolayers of chlorophyll *a* with chloroplasts components at the air-water interface". 64^e Congrès de l'Institut de Chimie du Canada (Halifax, Nova Scotia, May 31 -June 3).
62. Hotchandani, S., R.H. Clarke and R.M. Leblanc. "Zero-field ODMR of chlorophyll *a* triplet". 64^e Congrès de l'Institut de Chimie du Canada (Halifax, Nova Scotia, May 31 - June 3).

61. Tancrède, P., L. Parent and R.M. Leblanc. "Interactions in mixed monolayers between dioleoyl-L-phosphatidylcholine and all-trans retinal". 64^e Congrès de l'Institut de Chimie du Canada (Halifax, Nova Scotia, May 31 - June 3).
60. Goulet, D. et R.M. Leblanc. "Phénomènes photoacoustiques observés chez le pigment hémoglobine en présence de différents gaz". *Annales de l'ACFAS* 48, 25.
59. Parent, L., P. Tancrède, P. Paquin et R.M. Leblanc. "Étude en monocouche des interactions entre la dioleoyl-L-phosphatidylcholine et le tout-trans rétinale". *Annales de l'ACFAS* 48, 51.
58. Salesse, C. et R.M. Leblanc. "Caractérisation des phospholipides des segments externes des bâtonnets". *Annales de l'ACFAS* 48, 25.
57. Tessier, M., F. Boucher, R.M. Leblanc et Y. Kitô. "Digestion enzymatique du détergent dans les préparations de protéines membranaires". *Annales de l'ACFAS* 48, 12.
56. Boucher, F. and R.M. Leblanc. "Photoacoustic spectroscopy of cattle visual pigment". Biophysical Society Annual Meeting (Denver, CO, February 22-25).

1980 (Total: 9)

55. Aghion, J., I. Dupont and R.M. Leblanc. "Monolayers of chlorophyll and membrane lipids at an air-water interface. Pressure and potential stability in red light". Joint Meeting of the Biophysical Societies of Belgium, The Federal Republic of Germany and The Netherlands (Aix-La-Chapelle, France, October 1-3).
54. Houle, A., F. Téchy, J. Aghion et R.M. Leblanc. "Propriétés des couches monomoléculaires de cardiolipine bovine purifiée par chromatographie en couche mince". Réunion de la Société Belge de Biochimie (Liège, Belgique, Octobre).
53. Dodelet, J.P., M. Ringuet, M. Lawrence and R.M. Leblanc. "Electron transfer from chlorophyll *a* to quinone in mono- and multilayer arrays". Third International Conference on Photochemical Conversion and Storage of Solar Energy (University of Colorado, Denver, CO, August 3-8).
52. Boucher, F., R.M. Leblanc and P. Tancrède. "In situ spectral analysis of visual pigments by mean of photoacoustic spectroscopy". Huitième congrès international de photobiologie (Strasbourg, France, July 20-25).
51. Chang, K.L., S.-N. Lo and R.M. Leblanc. "Extraction of lignosulfonate from bisulfite waste liquor with organic solvents". 63^e Congrès de l'Institut de Chimie du Canada (Ottawa, Ontario, June 8-11).
50. Leblanc, R.M., M. Morin and I. Gruda. "Spectral and photochromic properties of two long-chain spiropyranindoline monolayers at the air/solid interface". 63^e Congrès de l'Institut de Chimie du Canada (Ottawa, Ontario, June 8-11).

49. Bougie, R., L.-P. Joly, R.M. Leblanc and J. Paiement. "Effect of methyl mercury chloride on phosphatidylserine vesicles". Twenty-seventh Canadian Conference on Pharmaceutical Research (Calgary, Alberta, May 21).
48. Kossi, C.N. et R.M. Leblanc. "Étude de l'aspect ionique de la vision sur un modèle membranaire artificiel". Annales de l'ACFAS (Université Laval, Québec, Québec, 14-16 mai).
47. Dijkmans, H., G. Munger, J. Aghion and R.M. Leblanc. "Interactions of CF1, the coupling factor of photophosphorylation, with chloroplast lipids. Monolayer studies". Réunion Annuelle de la Société de Biophysique (Bruges, Belgium, April 11).

1979 (Total: 5)

46. Boucher, F., L. Lavoie and R.M. Leblanc. "Photoacoustic spectroscopy: An energy transfer probe in photosynthesis". XIe International Congress of Biochemistry (Toronto, Ontario, July 8-14).
45. Dodelet, J.P., J. LeBrech, C. Chapados and R.M. Leblanc. "Photovoltaic action spectra and efficiencies of a chlorophyll *a* species absorbing near 700 nm". 62^e Congrès de l'Institut de Chimie du Canada (Vancouver, British Columbia, June 3-6).
44. Boucher, F., R.M. Leblanc, R. Chahine et T.K. Bose. "Application de la réflectométrie dans le domaine du temps (RDT) à l'étude du comportement diélectrique des segments externes des bâtonnets de la rétine (SEB)". Annales de l'ACFAS (Université de Montréal, Montréal, Québec, 9-11 mai).
43. Leblanc, R.M., D. Ducharme, A. Tessier et L. Lavoie. "Mise au point et applications d'un spectromètre photoacoustique". Annales de l'ACFAS (Université de Montréal, Montréal, Québec, 9-11 mai).
42. Chapados, C., D. Germain and R.M. Leblanc. "A model for the aggregation state of chlorophyll *a* in a multilayer arrays". 23rd Annual Meeting of the Biophysical Society (Atlanta, GA, February 25-28).

1978 (Total: 7)

41. Dodelet, J.P., J. LeBrech and R.M. Leblanc. "Conversion of light into electrical energy by crystalline and amorphous chlorophyll *a* semiconductor". VIth International Biophysics Congress (Kyoto, Japan, September 3-9).
40. Kossi, C.N. and R.M. Leblanc. "A novel method for preparing lipid bilayer". Gordon Research Conferences on Physico-Chemical Aspects of the Visual Transduction (Tilton, NH, July 3-7).
39. Chapados, C., D. Germain and R.M. Leblanc. "The aggregation state of chlorophyll *a* in a mono- and multilayer arrays. Effect of triatomic molecules (CO₂, H₂S, SO₂ and

H₂O) on chlorophyll *a* multilayer". 61^e Congrès de l'Institut de Chimie du Canada (Winnipeg, Manitoba, June 4-7).

38. Hotchandani, S., P. Paquin and R.M. Leblanc. "On the blue shift in retinol films and monolayers". 61^e Congrès de l'Institut de Chimie du Canada (Winnipeg, Manitoba, June 4-7).
37. Kossi, C.N. et R.M. Leblanc. "Modèle de membrane biologique artificielle: approche monomoléculaire". *Annales de l'ACFAS* 45, 27.
36. Morin, M. et R.M. Leblanc. "Isothermes de pression de surface du système chlorophylle/quinone à l'interface air-eau". *Annales de l'ACFAS* 45, 27.
35. Munger, G. and R.M. Leblanc. "A new method of studying the low pressures of monomolecular film at air/water interface". 22nd Annual Meeting of the Biophysical Society (Washington, DC, March 27-30).

1977 (Total: 5)

34. Leblanc, R.M., R. LeSage and A. Tessier. "Luminescence measurements of solutions of chlorophyll *a* and *b*". 24th Canadian Spectroscopy Symposium (Ottawa, Ontario, October 23-26).
33. Germain, D., C. Chapados et R.M. Leblanc. "Problèmes photophysiques dans la photosynthèse. VII. Effet des polluants atmosphériques sur la chlorophylle à l'état monomoléculaire". *Annales de l'ACFAS* 44, 25.
32. Hotchandani, S., P. Paquin et R.M. Leblanc. "Fluorescence de polyènes de rétinyl en film solide". *Annales de l'ACFAS* 44, 25.
31. Paquin, P., S. Hotchandani et R.M. Leblanc. "Spectroscopie électronique du 11-cis rétinol en film solide". *Annales de l'ACFAS* 44, 25.
30. Rocheleau, L., R.M. Leblanc et G.R. Brisson. "Analyse des catécholamines par spectrofluorimétrie laser". *Annales de l'ACFAS* 44, 12.

1976 (Total: 3)

29. Kossi, C.N. and R.M. Leblanc. "Purification of bovine rhodopsin for monolayer work". 10th International Congress of Biochemistry (Hamburg, Germany, July 25-31).
28. Lemieux, L., C. Chapados et R.M. Leblanc. "Problèmes photophysiques dans la photosynthèse. VI. Effet de l'eau dans la chlorophylle à l'état monomoléculaire". *Annales de l'ACFAS* 43, 31.
27. Munger, G., R.M. Leblanc et I. Gruda. "Photochromisme de spiropyranindolines à l'état monomoléculaire". *Annales de l'ACFAS* 43, 54.

1975 (Total: 6)

26. Leblanc, R.M. "La bioénergétique". Cours Internationaux Post-Universitaires, (Université de Liège, Sart Tilman, Belgique, 17-23 août).
25. Leblanc, R.M. and S. Hotchandani. "Spectroscopic properties of retinyl polyenes in monolayers and solid films". Vth International Biophysics Congress (Copenhagen, Danemark, August 4-9), pp. 89.
24. Chapados, C. and R.M. Leblanc. "Absorption and reflection infrared spectra of chlorophyll *a* monolayers and the chlorophyll/water, chlorophyll/dioxane and chlorophyll/benzoquinone interactions". 58^e Congrès de l'Institut de Chimie du Canada (Toronto, Ontario, May 25-28).
23. Hotchandani, S. and R.M. Leblanc. "Absorption spectroscopy of retinyl polyenes in solid films". 58^e Congrès de l'Institut de Chimie du Canada (Toronto, Ontario, May 25-28).
22. Kossi, C.N. et R.M. Leblanc. "Comportement photochimique de la rhodopsine à l'état de monocouche". *Annales de l'ACFAS* 42, 14.
21. Munger, G. et R.M. Leblanc. "Montage d'un système de Langmuir à haute sensibilité. Application aux monocouches de protéine". *Annales de l'ACFAS* 42, 30.

1974 (Total: 7)

20. Leblanc, R.M. "The effect of vapours on chlorophyll *a* monolayers". 3rd International Congress on Photosynthesis. (The Weizmann Institute of Sciences, Rehovot, Israel, September 2-6).
19. Galinier, G. and R.M. Leblanc. "Laser spectrofluorimetry of chlorophylls". 57^e Congrès de l'Institut de Chimie du Canada (University of Saskatchewan, Regina, Saskatchewan, June 2-5).
18. LeBrecht, J., R.M. Leblanc and A.F. Antippa. "The absorption spectrum of chlorophyll *a* and the chlorophyll/dioxane and chlorophyll/benzoquinone interactions". 57^e Congrès de l'Institut de Chimie du Canada (University of Saskatchewan, Regina, Saskatchewan, June 2-5).
17. Leblanc, R.M. "La chlorophylle, transducteur d'énergie lumineuse dans la photosynthèse". 42^e Congrès de l'ACFAS (Université Laval, Québec, Québec), Colloque sur les "Transducteurs biologiques".
16. Chapados, C., D. Carignan, S. Hotchandani et R.M. Leblanc. "Problèmes photophysiques dans la photosynthèse. V. Spectroscopie infrarouge de la chlorophylle à l'état monomoléculaire". *Annales de l'ACFAS* 41, 31.
15. Roigt, H. et R.M. Leblanc. "Étude photophysique de la colchicine. II. Interaction avec le tryptophane". *Annales de l'ACFAS* 41, 33.

14. Dubé, J.R. et R.M. Leblanc. "Modèle de diffusion thermique à la Centrale Nucléaire de Gentilly". International Atomic Energy Agency. Symposium on the Physical and Biological Effects on the Environment of Cooling Systems and Thermal Discharges at Nuclear Power Stations (Oslo, Norway, August 26-30), Session IV, SM-187/54.

1973 (Total: 3)

13. Hotchandani, S. and R.M. Leblanc. "Model in Vision: I. Absorption spectroscopy of visual pigments". 56^e Congrès de l'Institut de Chimie du Canada (June 4-6).
12. LeBrecht, J., R.M. Leblanc et A.F. Antippa. "Problèmes photophysiques dans la photosynthèse. IV. Interactions chlorophylle/p-dioxane et chlorophylle/p-benzoquinone". *Annales de l'ACFAS* 40, 18.
11. Tessier, A. et R.M. Leblanc. "Spectrofluorimétrie laser". *Annales de l'ACFAS* 40, 18.

1972 (Total: 5)

10. Fragata, M. and R.M. Leblanc. "Molecular interactions of colchicine with H₂O and the cell proteins". IVth International Biophysics Congress (Moscow, U.S.S.R., August 7-14), 3, 376.
9. Leblanc, R.M., H. Roigt and M. Fragata. "Primary processes in colchicine". IVth International Biophysics Congress (Moscow, U.S.S.R., August 7-14), 1, 23-24.
8. Roigt, H. et R.M. Leblanc. "Photochimie de la colchicine". 55^e Congrès de l'Institut de Chimie du Canada (4-7 juin).
7. Boucher, F. et R.M. Leblanc. "Propriétés physico-chimiques de monocouches de pigments visuels. I. Pression de surface et spectre d'absorption". *Annales de l'ACFAS* 39, 16.
6. Picard, M. et R.M. Leblanc. "Problèmes photophysiques dans la photosynthèse. III. Conductivité et photoconductivité de la chlorophylle *b*". *Annales de l'ACFAS* 39, 36.

1971 (Total: 3)

5. Fragata, M., H. Roigt et R.M. Leblanc. "Amplification, à basse température, de l'effet morphogénétique de la colchicine". *Annales de l'ACFAS* 38, 30.
4. Leblanc, R.M. "Problèmes photophysiques dans la photosynthèse. II. Transfert d'énergie dans les monocouches de chlorophylle *a*". *Annales de l'ACFAS* 38, 31.
3. Roigt, H. et R.M. Leblanc. "Étude photophysique de la colchicine. I. Luminescence". *Annales de l'ACFAS* 38, 30.

1970 (Total: 1)

2. Leblanc, R.M. et G. Porter. "Problèmes photophysiques dans la photosynthèse. I. Modèle de l'unité photosynthétique". Annales de l'ACFAS 37, 35.

1966 (Total: 1)

1. Leblanc, R.M. et J.A. Herman. "Détermination de l'énergie moyenne de formation d'une paire d'ions au moyen de mesures de courant de saturation des gaz irradiés par les rayonnements gamma du cobalt - 60". Annales de l'ACFAS 32, 64.

LIST OF RESEARCH CONTRIBUTIONS

INVITED SPEAKERS (TOTAL: 239)

2013 (TOTAL: 3)

1. Leblanc, R.M. and S. Li. "Human insulin in 2-Dimension". FAME 2013 Innisbrook Resort and Golf Club (Innisbrook, FL, May 9-11).
2. Othman, A.M., S. Li and R.M. Leblanc. "Enhancing the selectivity and sensitivity of spectrofluorimetric determination of tryptophan using graphene oxide nanoparticles". 3rd International Conference in Bio-sensing Technology (Silges, Spain, May 13-15).
3. Leblanc, R.M. "Spectroscopy and surface chemistry of Langmuir monolayers". Department of Chemistry, Université de Montréal (QC, Canada, June 7).

2012 (Total: 2)

1. Leblanc, R.M., "Graphene oxide as an efficient quencher for the fluorescenc of amino acids, peptides and proteins". NanoBio Collaborative International Conference (Tampa, FL, March 22-24).
2. Leblanc, R.M., "Graphene oxide as an efficient quencher for the fluorescenc of amino acids, peptides and proteins". Florida Annual Meeting and Exposition (FAME 2012) (Palm Harbor, FL, May 18).

2011 (Total: 1)

1. Orbulescu, J., R.A. Patel, A. Dadlani, M. Micic and R.M. Leblanc. "Fluorescence-based detection of human cardiac Troponin I using a chemically-attached mutant antibody modified quartz slide". Florida Annual Meeting and Exposition (FAME 2011) (Tallahassee, FL, May 13).

2010 (Total: 5)

1. Leblanc, R.M. "Biomolecular recognition and imaging using quantum dots". Department of Physiology and Biophysics, Miller School of Medicine (University of Miami, FL, January 25).
2. Leblanc, R.M. "Biomolecular recognition and imagin using quantum dots". Department of Biomedical Engineering, Florida International University (Miami, FL, February 5).
3. Leblanc, R.M. "Inhibition of amyloid fibrillation by conjugated quatum dots". Particles 2010. Medical/Biomedical Diagnostic, Pharmaceutical, and Drug Delivery Applications of Particle Technology (Orlando, FL, May 22-25).

4. Xu, J. and R.M. Leblanc. "Smooth surface roughness of silanized (CdSe)ZnS quantum dots". The 13th International Conference on Organized Molecular Films (Quebec City, Canada, July 18-21).
5. Leblanc, R.M. "Fluorescent nanocrystals quantum dots". Multiphoton/Imaging Symposium (Coherent Inc. & Analytical Core Facility, University of Miami Miller School of Medicine, August 30).

2008 (TOTAL: 3)

1. Leblanc, R.M. "Quantum dots: Immobilization and surface chemistry studies". Tyndall National Institute (Cork, Ireland, December 10).
2. Leblanc, R.M., Plenary Lecture. "Recent Progress of Physical Chemistry to Alzheimer's Disease". The 9th International Conference on Fundamental and Applied Aspects of Physical Chemistry (Belgrade, Serbia, September 24-26).
3. Leblanc, R.M., Key Note Speaker. "Enzyme Quantum Dot Factory". Particles 2008. Advanced Particle Synthesis (Orlando, FL, May 10-13).

2007 (TOTAL: 6)

1. Leblanc, R.M. and J. Orbulescu. "Bioassay development for the optical detection of toxins and pesticides". 2007 Nanoelectronic Devices for Defense Security (NANO-DDS) Conference (Arlington, VA, June 18-21).
2. Leblanc, R.M. and C. Wang. "The nature of molecular recognition of pesticide in Langmuir monolayer". Florida Annual Meeting and Exposition (FAME 2007) (Orlando, FL, May 10-12).
3. Leblanc, R.M., Plenary Lecture. "Functionalization of quantum dots with peptides and proteins". The 2nd International Symposium on Advanced Materials and Nanostructure (Sao Carlos, Brazil, May 3-4).
4. Leblanc, R.M., K.M. Gattas-Asfura, X. Ji and J. Xu. "Langmuir and Langmuir-Blodgett films of quantum dots". The 233rd ACS Meeting (McCormick Place, Chicago, IL, March 25-29).
5. Leblanc, R.M. C. Constantine and J. Orbulescu. "Layer-by-layer bioassay development using polyelectrolytes and organophosphorus hydrolase". The 233rd ACS Meeting (McCormick Place, Chicago, IL, March 25-29).
6. Leblanc, R.M. "Surface Chemistry and spectroscopy towards sensing". Department of Chemistry, University of Miami (Coral Gables, FL, February 16).

2006 (TOTAL: 13)

1. Leblanc, R.M. "Organized nano-films for bio-sensing". The 19th "Entretiens Jacques Cartier" Nanobiotechnology for analysis and energy conversion (Grenoble, France, December 4-5).

2. Leblanc, R.M. "Organophosphorus-based assays for detection of organophosphorus compounds". 2006 Scientific Conference on Chemical and Biological Defense Research (Hunt Valley, MD, November 13-15).
3. Leblanc, R.M. and C. Wang. "Fluorescent bioassays based on organophosphorus hydrolase (OPH) for the detection of paraoxon". The 58th Southeastern Regional Meeting of the American Chemical Society (Sermacs 2006) (Augusta, GA, November 1-4).
4. Leblanc, R.M. and C. Wang. "Peptide bioassays for the detection of copper and paraoxon". The 58th Southeastern Regional Meeting of the American Chemical Society (Sermacs 2006) (Augusta, GA, November 1-4).
5. Leblanc, R.M., Plenary Lecture. "Biomolecular recognition and imaging using Quantum Dots". The 8th International Conference on Fundamental and Applied Aspects of Physical Chemistry (Belgrade, Serbia, September 26-29).
6. Leblanc, R.M. "Molecular recognition at Langmuir monolayers". Department of Chemistry, Faculty of Science, Tokyo Institute of Technology, Tokyo, Japan (June 12).
7. Leblanc, R.M. "Molecular recognition at Langmuir monolayers". Division of Biointerfacial Science, Graduate School of Pharmaceutical Sciences, Kyushu University, Fukuoka, Japan (June 7).
8. Leblanc, R.M. "Biomolecular recognition and imaging with peptides and quantum dots". The 16th International Symposium on Surfactants in Solution. "Self-assembled Microsystems". (Seoul, South Korea, June 4-9).
9. Leblanc, R.M., Key Note Speaker. "Quantum dots as immunoassay probes". Particles2006. Medical/Biochemical Diagnostic, Pharmaceutical, and Drug Delivery Applications of Particle Technology (Orlando, FL, May 13-16).
10. Leblanc, R.M., Plenary Lecture. "Surface chemistry and spectroscopy towards sensing". Florida Annual Meeting and Exposition (Fame 2006) (Orlando, FL, May 11-13).
11. Leblanc, R.M., C.A. Constantine, X. Ji and J. Orbulescu. "Bioassay development using organophosphorus hydrolase for detection of paraoxon". 209th Electrochemical Society Symposium (Denver, CO, May 7-11).
12. Leblanc, R.M. "Organized nano-films for bio-sensing". 2006 Annual Joint Symposium. Florida Chapter of the American Vacuum Society and the Florida Society for Microscopy (Orlando, FL, March 12-16).
13. Leblanc, R.M. "Biomolecule recognition and imaging with peptides and quantum dots". Frontiers in Colloid, Surface and Supramolecular Chemistry in Biomedical Applications. 40th Western Regional Meeting of the American Chemical Society (Anaheim, CA, January 22-25).

2005 (TOTAL: 8)

1. Leblanc, R.M., Plenary Lecture. "Surface manipulation and assemblies of quantum dots for chemo- and biosensing". Seven Annual Conference of the Yugoslav Materials Research Society (YUCOMAT 2005, Herceg Novi, Serbia and Montenegro, September 12-16).
2. Leblanc, R.M., Invited Speaker. "(CdSe)ZnS and CdSe quantum dots: Surface chemistry comparative study". 230th ACS National Meeting (Washington, DC, August 28-September 1).
3. Leblanc, R.M., Invited Speaker. "Surface engineering quantum dots at the air-water interface". International Symposium on the Role of Adsorbed Films and Particulate Systems in Nano and Biotechnologies. (Hilton University of Florida Conference Center, Gainesville, FL, August 24-26).
4. Leblanc, R.M., Invited Speaker. "Quantum Dots: Self-assembly and Layer-by-Layer deposition towards sensor development". Workshop on Multifunctional Materials (DoD, Air Force) (Keystone, Colorado, August 21-26).
5. Leblanc, R.M., Invited Speaker. "Fourier Transform Infrared Reflection Absorption Spectroscopy (FT-IRRAS): 2D Biomimetic approach to the amyloidogenesis process". 3rd International Workshop on Vibrational Spectroscopy of Monolayer Films (Universite Laval, Quebec, Canada, July 25-27).
6. Leblanc, R.M., Review Lecture Speaker. "Langmuir and Langmuir-Blodgett films of quantum dots". The 11th International Conference on Organized Molecular Films (Sapporo, Hokkaido, Japan, June 26-30).
7. Leblanc, R.M., Invited Speaker. "Spectroscopy and imaging of peptide-capped quantum dots to study amyloid aggregation". Canadian Association of Physicists Congress (University of British Columbia/TRIUMF, BC, Canada, June 5-8).
8. Leblanc, R.M., Key Note Speaker. "Surface manipulation and assemblies of quantum dots for chemo- and biosensing". International Conference on Research Trends in Science and technology (Beirut and Byblos, Lebanon, March 7-9).

2004 (Total: 10)

1. Leblanc, R.M., C.A. Constantine, J. Zheng, L. Zhao, V. Rastogi, T.-C. Cheng and J.J. DeFrank. "Spectroscopic detection of organophosphorus agents". 2004 Scientific Conference on Chemical and Biological Defense Research (Marriot Hunt Valley Inn, Hunt Valley, MD, November 15-17).
2. Leblanc, R.M. "Spectroscopy and surface chemistry of functionalized quantum dots". Department of Chemistry and Biochemistry, Southern Illinois University (Carbondale, IL, October 15).

3. Leblanc, R.M., Plenary Lecture. "Spectroscopy and surface chemistry of functionalized quantum dots". 7th International Conference on fundamental and applied aspects of physical chemistry (Belgrade, Serbia and Montenegro, September 21-23).
4. Leblanc, R.M., Key Note Speaker. "Langmuir, Langmuir-Bodgett and Layer-by-Layer films of biomacromolecules". The 57th Divisional Meeting on Colloid and Surface Chemistry. The Chemical Society of Japan with the 2004 Japan – Australia International Symposium (Tokyo University of Science, Yamaguchi, September 9-11).
5. Leblanc, R.M. "Circular Dichroism and Fourier Transform Infrared Spectroscopies of organophosphorus hydrolase". Department of Chemistry, Florida State University (Tallahassee, FL, August 27).
6. Leblanc, R.M., Key Note Speaker. "Environmental Scanning Electron Microscopy on ultra-thin films in 2-D and 3-D". Microscopy and Microanalysis 2004 (Savannah, GA, August 1-5).
7. Leblanc, R.M. "Quantum dots: Immobilization and surface chemistry studies". Department of Chemistry, Portland State University (Portland, OR, April 8).
8. Leblanc, R.M. "Quantum dots: Immobilization and surface chemistry studies". Department of Chemistry, East Carolina University (Greenville, NC, April 6).
9. Leblanc, R.M. "Quantum dots: Immobilization and surface chemistry studies". Department of Chemistry, Cleveland State University (Cleveland, OH, April 1).
10. Leblanc, R.M., Key Note Speaker. "Quantum dots: Immobilization and surface chemistry studies". Particle 2004. Particle Synthesis, Characterization, and Particle-Based Advanced Materials (Rosen Centre Hotel, Orlando, FL, March 6-9).

2003 (Total: 9)

1. Crespo, G., S.V. Mello, X. Cao and R.M. Leblanc. "Organophosphorous hydrolase immobilized via layer-by-layer technique for biosensor applications". 11th International Conference on Surface and Colloid Science (Iguassu, Brazil, September 15-19).
2. Gattas-Asfura, K., G. Sui, J. Orbulescu and R.M. Leblanc. "Quantum dots: Immobilization and surface chemistry studies". 11th International Conference on Surface and Colloid Science (Iguassu, Brazil, September 15-19).
3. Leblanc, R.M., S.V. Mello, A. Ramirez, P. DePaola, A. Escobar, C. Li and B.J. Elkind. "Study of induced β -Amyloid fibril formation utilizing Langmuir and Langmuir-Blodgett monolayers". 226th ACS National Meeting (New York, NY, September 7-11).

- Gattas-Asfura, K.M., Y. Zheng, M. Snedaker and R.M. Leblanc. "Immobilization of quantum dots with photocrosslinked PEG hydrogel". 77th ACS Colloid and Surface Science Symposium (Georgia Institute of Technology, Atlanta, GA, June 15-18).
- Leblanc, R.M., Plenary Lecture. "Recent advances in surface chemistry of biomacromolecules". 52nd Annual Meeting of The Society of Polymer Science of Japan (SPSC) (Nagoya, Japan, May 28-30).
- Leblanc, R.M. "Recent Advances in Surface Chemistry and Spectroscopy of 2-D films". Department of Chemistry, Western Michigan University (Kalamazoo, May 23).
- Leblanc, R.M. "Recent advances in Surface Chemistry and Spectroscopy of 2-D films". Department of Chemistry, Cleveland State University (Cleveland, May 14).
- Leblanc, R.M., Plenary Lecture. "Electronic and vibrational spectroscopies of organic and inorganic ultra-thin films in 2-D". International Congress of Spectroscopy (Marrakech, Morocco, April 23-25).
- Leblanc, R.M. "Spectroscopy and surface chemistry of ultrathin films". Department of Chemistry and Biochemistry, Florida Atlantic University (Boca Raton, FL, January 17).

2002 (Total: 6)

- Leblanc, R.M., G. Sui, X. Ji, J. Orbulescu, C. Li and K.M. Gattas-Asfuras. "CdSe Quantum Dots at air/water interface". 54th Southeast Regional Meeting of the American Chemical Society (College of Charleston, Charleston, SC, November 13-16).
- Leblanc, R.M., Plenary Lecture. "Recent advances in surface chemistry and spectroscopy of molecular films". 6th International Conference on Fundamental and Applied Aspects of Physical Chemistry (Belgrade, Yugoslavia, September 26-28).
- Leblanc, R.M. "Hydrogen-Bonding network of Langmuir and Langmuir-Blodgett films". 2nd International Workshop on Vibrational Spectroscopy of Monolayer Films (Universite de Bordeaux I, Bordeaux, France, July 8-10).
- Leblanc, R.M. "Surface chemistry of peptide lipid libraries and their possible applications". 14th SIS Surfactants in Solution Symposium (Barcelona, Spain, June 9-14).
- Leblanc, R.M., B. Desbat, Q. Huo and L. Dziri. "Polarization modulated FT-IR spectroscopic (PM-IRRAS) studies of Langmuir films at air – water interface". Enviro Analysis 2002. The Fourth Biennial International Conference on Monitoring and Measurement of the Environment (Royal Constellation Hotel, Toronto, Canada, May 27-30).

6. Leblanc, R.M. "Synthesis and characterization of new dendrimers for drug delivery". Particles 2002. Medical/Biochemical Diagnostic, Pharmaceutical, and Drug Delivery Applications of Particle Technology (Rosen Center Hotel, Orlando, FL, April 20-23).

2001 (Total: 7)

1. Leblanc, R.M. "Overview of Langmuir and Langmuir-Blodgett films technology for chemistry biosensors". Center Nacional de Pesquisa e Desenvolvimento de Instrumentação Agropecuária (Sao Carlos, Brazil, November 21).
2. Leblanc, R.M. "Recent Advances in Surface Chemistry". Instituto de Fisica de Sao Carlos, Universidad de Sao Paulo (Sao Carlos, Brazil, November 19).
3. Mello, S.V., M. Mabrouki and R.M. Leblanc. "Organophosphorous acid anhydrolase LB films. A promising system for biosensor application". 6th Congresso Brasileiro de Polimeros and IX International Macromolecular Colloquium (Centro de Convenções de Hotel Serrano, Gramado/RS. Brazil, November 11-15).
4. Leblanc, R.M. "Surface chemistry, Spectroscopy and Microscopy of Langmuir and Langmuir-Blodgett Films". Nagoya RCMS Symposium on Nanomaterials and Technology (Nagoya University, Nagoya, Japan, October 18).
5. Leblanc, R.M. "Recent advances in the surface chemistry of ultrathin films". Institute for Chemical Research, Kyoto University (Kyoto-fu, Japan, October 16).
6. Leblanc, R.M. "Enzymes in monolayers and their interactions with organophosphorus compounds". International Symposium on Applications of Enzymes in Chemical and Biological Defense (Orlando, FL, May 13-18).
7. Leblanc, R.M. "Recent advances in the surface chemistry of ultrathin films". Department of Chemistry, Florida International University (Miami, FL, February 9).

2000 (Total: 9)

1. Leblanc, R.M. "Photophysics of supramolecular assemblies". Photophysics and Photochemistry 2000 (Costa do Estoril, Portugal, October 18-21).
2. Leblanc, R.M. "Topography of nanomolecular films using advanced microscopic techniques". Department of Chemistry, University of Central Florida (Orlando, FL, October 16).
3. Leblanc, R.M. "Recent advances in surface chemistry". 5th International Conference on Fundamental and Applied Aspects of Physical Chemistry (Belgrade, Yugoslavia, September 27-29).
4. Leblanc, R.M. "Surface chemistry of supramolecular biosystems". Department of chemistry, University of South Florida (Tampa, FL, September 21).
5. Leblanc, R.M. "The stability and penetration of epidermal applications visualized by photoacoustic depth profilometry". 21st International Federation of the Societies of Cosmetic Chemists (Berlin, Germany, September 11-14).

6. Leblanc, R.M. "Nanotechnology applied to membrane and biomembrane science". Research Center for nanomechanic assembly (Trois-Rivieres, Canada, September 7).
7. Leblanc, R.M. "Biomimetic systems for solar energy conversion". International Conference on Photobiophysics in Technology and Medicine (Poznan, Poland, June 26-30).
8. Leblanc, R.M. "Combinatorial surface chemistry -Is it possible?" 13th International Symposium on Surfactants in Solution (SIS-2000)(Gainesville, FL, June 11-16).
9. Leblanc, R.M. "Recent advances in surface chemistry". New Directions for the Industry/University Cooperative Research Center for Biosurfaces (Department of Biomedical Engineering, University of Miami, FL, February 25).

1999 (Total: 11)

1. Leblanc, R.M. "The self-tanning action of dihydroxyacetone: A photoacoustic spectroscopy study". The Estée Lauder Companies Inc. (New York, NY, December 7).
2. Tranchant, J. F., V. Allard, R.M. Leblanc and G. Jorand. "Pulsed photoacoustic study of diffusion of chromophores in vivo". 20th IFSCC Congress.
3. Leblanc, R.M. "Overview of Langmuir and Langmuir-Blodgett films technology for chemi-and biosensors". Southeast Regional Meeting of the American Chemical Society (SERMACS-99) (Hyatt Regency Hotel, Knoxville, TN, October 17-20).
4. Leblanc, R.M., Q. Huo, G. Sui and P. Kele. "Molecular engineering at interfaces: two-dimensional combinatorial chemistry approach". Southeast Regional Meeting of the American Chemical Society (SERMACS-99) (Hyatt Regency Hotel, Knoxville, TN, October 17-20).
5. Leblanc, R.M., G. Puccetti and J. F. Tranchant. " A sunscreen-tanning compromise: 3D visualization of TiO₂ particles and DHA in human epiderm". 6th Congress of the International Society for Skin Imaging (The Royal Society London, United Kingdom, July 4-6).
6. Leblanc, R.M. "Supramolecular self-assembly of diacetylene derivatives". International Conference on Amphiphiles at Interfaces: From Structure Control to Properties (Beijing, China, May 24-25).
7. Leblanc, R.M. "Mécanismes de photoprotection par les écrans solaires". Symposium on "Les écrans solaires: protection et/ou danger?". 67 Congrès de l'Association Canadienne Francaise par l'Avancement des Sciences (ACFAS) (Ottawa, ON, Canada, May 10-14).
8. Leblanc, R.M. "Langmuir-Blodgett Film technology for the development of acetylcholinesterase biosensor". Florida Annual Meeting and Exposition (FAME 1999, ACS) (Harley Hotel, Orlando, FL, May 7-8).

9. Leblanc, R.M. "Acetylcholinesterase immobilized as Langmuir-Blodgett film for detection of organophosphorous compounds". Third Euro-Mediterranean Conference of Photobiology - Applications in Medicine, Environment and Biotechnologies (Université Moulay Ismaïl de Meknès, Meknès, Morocco, April 6-8).
10. Leblanc, R.M. "Photobiology of skin". Third Euro-Mediterranean Conference of Photobiology - Applications in Medicine, Environment and Biotechnologies (Université Moulay Ismaïl de Meknès, Meknès, Morocco, April 6-8).
11. Leblanc, R.M., S. Vidon and S. Wang. "Sol-Gel process in 2-Dimensions". 217th ACS National Meeting, Symposium on "Physical Chemistry of Sol-Gel materials" (Anaheim, CA, March 21-25).

1998 (Total: 6)

1. Leblanc, R.M. "Sol-gel process in 2D applied to photonics". The 2nd Asian Symposium on organized molecular films for electronics and photonics (ASOMF'2) (Peking University, Beijing, China, November 1-4).
2. Leblanc, R.M. "Supramolecular assemblies in 2-D". Department of Chemistry, University of Miami (Coral Gables, FL, October 23).
3. Leblanc, R.M. "Mécanismes de photoprotection par les écrans solaires". Colloque: Photocarcinogénèse et cancer de la peau. 66e Congrès Annuel de l'Association Canadienne Française pour l'avancement des sciences (ACFAS) (Université Laval, Québec, Canada, 11-15 mai).
4. Leblanc, R.M. "Propriétés spectrales et microscopiques de constituants membranaires en 2D". Colloque: Structure et fonctions des membranes biologiques: de la physique à la biologie. 66e Congrès Annuel de l'Association Canadienne Française pour l'avancement des sciences (ACFAS) (Université Laval, Québec, Canada, 11-15 mai).
5. Leblanc, R.M. "Sol-gel process in 2-D". 215th ACS National Meeting (Dallas, TX, March 29-April 2).
6. Leblanc, R.M. "Extraterrestrial life: Myth or Reality?". 37th Annual Conference of Irish Science Teacher's Association (ISTA) (Limerick Institute of Technology, Limerick, Ireland, March 27-29).

1997 (Total 10)

1. Leblanc, R.M. "Optical and surface properties of Langmuir films". (Department of Chemistry, Lanzhou University, Lanzhou, People's Republic of China, October 27).
2. Leblanc, R.M. "2-D sol-gel process – Its applications in biosensors". 5th China-Japan Bilateral Symposium on Intelligent Electrophotonic Materials and Molecular Electronics (Lanzhou University, Lanzhou, People's Republic of China, October 24-26).

3. Leblanc, R.M. "Inelastic and elastic electron tunneling of ultra thin films". 24th Conference of the Southeast Association of Analytical Chemistry (University of South Florida, Tampa, Fl, October 2-4).
4. Leblanc, R.M. "La vie extraterrestre: mythe ou réalité?". Post Universitaire Wetenschappelijke Internationale Colloquia (Université de Liège, Liège, Belgium, August 20-23).
5. Leblanc, R.M. "Inelastic electron tunneling of ultrathin films". 43rd. International Conference on Analytical Sciences and Spectroscopy (McGill University, Montreal, Canada, August 10-13).
6. Leblanc, R.M. "Spectroscopie et microscopie à force atomique de la chlorophylle a et du PS II en films ultra-minces". Symposium Photosynthèse : phase lumineuse. 65^e Congrès de l'ACFAS (Association Canadienne Française pour l'Avancement des Sciences) (Université du Québec à Trois-Rivières, Trois-Rivières, 12-16 mai).
7. Leblanc, R.M., F. Facca and G. Pucetti. "Synthesis of nanometer scale oxide-based titanium films by a two-dimensional sol-gel process at the air/liquid interface". Symposium on Physical and Materials Chemistry. 1997 Annual Meeting of the Florida Sections American Chemical Society (Orlando, FL, May 2-3).
8. Leblanc, R.M. "Scanning probe microscopy of photosynthetic pigments and supramolecular assemblies". Symposium on Biomolecular Structure and Function. 1997 Annual Meeting of the Florida Sections American Chemical Society (Orlando, FL, May 2-3).
9. Leblanc, R.M. "Surface chemistry and spectroscopy of Langmuir and Langmuir-Blodgett Films". Department of Chemistry, Florida Atlantic University (Boca Raton, FL, February 21).
10. Leblanc, R.M. "Surface chemistry and spectroscopy of nanoparticles". CIC Distinguished Lecture and McGill Chemical Society (Department of Chemistry, McGill University, Montreal, Canada, January 2).

1996 (Total 11)

1. Leblanc, R.M. "Molecular Electronics: An interdisciplinary field of research". Zhongshan Workshop on Science and Technology of Microstructure (Southeast University, Nanjing, P.R. China, November 19-20).
2. Leblanc, R.M. "Photophysical and photoelectrochemical properties of biological supramolecules". The 4th China-Japan Bilateral Symposium on Intelligent Electrophotonic Materials and Molecular Electronics (Liuyuan Hotel, Southeast University, Nanjing, P.R. China, November 17-18).
3. Leblanc, R.M. "Evidence of the liquid-solid transition of a sol-gel material using photoacoustic spectroscopy". Laboratoire de la Chimie de la Matière Condensée (Université Pierre et Marie Curie (Paris VI), Paris, France, October 3).

4. Leblanc, R.M. "Thin films and inelastic electron tunneling spectroscopy". 212th ACS National Meeting (Orlando, FL, August 25-29).
5. Leblanc, R.M. "Absorption and fluorescence of Langmuir films". 7th Annual Symposium: Photoinduced Charge Transfer: Reactive Processes in Organized Media (University of Rochester, Rochester, NY, June 26-28).
6. Leblanc, R.M. "Surface analytical techniques". Plenary Lecture. Surface and Colloid Symposium of ICI North America (Delta Hotel, Montreal, Canada, June 25-26).
7. Leblanc, R.M. "Scanning probe microscopies of Langmuir-Blodgett films". Symposium on Scanning Probe Microscopies and Related Techniques for the Biological and Material Sciences (Hyatt Regency Bethesda, Bethesda, MA, May 11-16).
8. Leblanc, R.M. "Supramolecular systems". International Conference "Chemical Physics on the Border of the XXI Century" (Moscow, Russia, April 16-19).
9. Leblanc, R.M. "Langmuir and Langmuir-Blodgett films of new C₆₀ derivatives". Florida Advanced Materials Chemistry Conference (Palm Coast, FL, March 17-20).
10. Leblanc, R.M. "Discussion on pulse photoacoustic spectroscopy". Department of Dermatology and Cutaneous Surgery, School of Medicine, University of Miami (Miami, FL, January 17).
11. Leblanc, R.M. "Photophysics and scanning probe microscopy of supramolecular assemblies in Langmuir-Blodgett films". NATO Advanced Research Workshop on Physical Supramolecular Chemistry (Miami, FL, January 7 - 10).

1995 (Total 10)

1. Leblanc, R.M. "Analytical chemistry of 2-D supramolecular assemblies". Symposium on Ordered Media and Analytical Chemistry : A Successful Marriage? held as part of International Chemical Congress of Pacific Basin Societies '95 (Waikiki, Hawaii, December 16-22).
2. Leblanc, R.M. "Spectroscopic photoacoustique". D.E.A. Programme de l'enseignement spécialisé. "Nouvelles Instrumentations". Institut de Biologie Physico-Chimique (Paris, France, 4 décembre).
3. Leblanc, R.M. "Scanning probe microscopy of lipid and protein Langmuir-Blodgett (LB) films". Symposium on Molecular Thin Films : Self-assembled and Langmuir-Blodgett Films. American Chemical Society. Joint Southeast-Southwest Regional Meeting (Memphis, TN, November 29 - December 1).
4. Leblanc, R.M. "Photoacoustic spectroscopy applied to dermatology". Department of Dermatology and Cutaneous Surgery, School of Medicine, University of Miami (Miami, FL, November 22).
5. Leblanc, R.M. "Photophysics and probe microscopy of organic ultrathin films". Department of Physics, Florida International University (Miami, FL, November 17).

6. Leblanc, R.M. "Photoacoustic spectroscopy applied to biological systems". NATO Advanced Research Workshop. Analytical Use of Fluorescent Probes In Oncology (Hollywood Beach Resort Inn, Hollywood Beach, FL, October 14-18).
7. Leblanc, R.M. "LHC migration and activities of photosystem I and II in intact leaves". Workshop '95 : Photoacoustics and Photothermics (Edernburg, Germany, October 4-6).
8. Leblanc, R.M. "Supramolecular assemblies in photosynthetic membrane: a biomimetic approach". Second Changchun International Symposium on Functional Supramolecular Systems (Changchun, China, September 1-5).
9. Leblanc, R.M. "Scanning tunneling and atomic force microscopy studies of Langmuir-Blodgett films". International Symposium on Micelles, Microemulsions and Monolayers : Quarter Century Progress and New Horizons (Gainesville, FL, August 28-30).
10. Boussaad, S., J. A. DeRose and R.M. Leblanc. "Film properties of chlorophyll investigated with scanning tunneling and atomic force microscopy". 210th ACS National Meeting (Chicago, IL, August 20-24).

1994 (Total 9)

1. Leblanc, R.M. "Conducting Langmuir-Blodgett films for molecular electronics". International Conference on Molecular Electronics and Biocomputing (Goa, India, September 25-30).
2. Leblanc, R.M. "Photobiology of supramolecular biological assemblies". Department of Biochemistry and Molecular Biology, School of Medicine, University of Miami (Miami, September 1).
3. Leblanc, R.M. "Topography of Supramolecular Assemblies: Scanning Tunneling and Atomic Force Microscopies". Colloques Scientifiques Internationaux Post-Universitaires (Post Universitaire Wetenskappelijke Internationale Colloquia, Université de Liège, Liège, Belgique, 15-19 août).
4. Leblanc, R.M. "Modern thermodynamic and spectroscopic approaches to study surfactants in 2-D and Langmuir-Blodgett films". Akzo Nobel Research Center, Akzo Chemicals Inc. (Dobbs Ferry, New York, June 13).
5. Leblanc, R.M. "Energy transduction and topography of natural biological membranes". Symposium on Interactions of Light and Living Matter (Sponsored by the Belgian Society of Biophysics, European Science Foundation and Université de Liège) (Université de Liège, Liège, Belgium, April 17-29).
6. Leblanc, R.M. "Photoacoustic and photothermal spectroscopies applied to environmental science". Rosenstiel School of Marine and Atmospheric Science, Division of Marine and Atmospheric Chemistry, University of Miami (Miami, FL, April 11).

7. Leblanc, R.M. "Photophysics of supramolecular assemblies". Solid State Physics Seminar, Department of Physics, University of Miami (Miami, FL, March 11).
8. Leblanc, R.M. "Modern spectroscopic and microscopic studies of supramolecular biological systems". Sigma Xi, The Scientific Research Society, University of Miami (Miami, FL, March 2).
9. Leblanc, R.M. "Méthodes spectroscopiques modernes pour l'examen de systèmes biologiques supramoléculaires". Département de chimie, Université de Montréal (Montréal, 16 février).

1993 (Total: 5)

1. Leblanc, R.M., G. Munger, A. Tessier, K. Tian and N.-E. Cherid. "Monolayer absorption and fluorescence spectroscopies of chlorophyll *a*, TCNQ and C₆₀ at the gas-water interface". 39th Canadian Spectroscopy Conference (Université Laval, Québec, August 16-18).
2. Leblanc, R.M. "Aggregation state of chlorophyll *a* and pheophytin *a*". 39th Canadian Spectroscopy Conference (Université Laval, Québec, August 16-18).
3. Leblanc, R.M., K. Tian, G. Munger and P. Delhaès. "Interfacial and spectroscopic properties of some TCNQ compounds". 76th Canadian Society for Chemistry Conference and Exhibition (Sherbrooke, Québec, May 30 -June 3).
4. Leblanc, R.M. "Biophysical chemistry of molecular organized biological systems". Institute of Photographic Chemistry, Academia Sinica (Beijing, China, March 9).
5. Leblanc, R.M. "Surface chemistry of supramolecular organized assemblies". Department of Chemistry, University of Miami (Miami, FL, February 24).

1992 (Total: 13)

1. Leblanc, R.M. "Nouvelles approches biophysiques d'étude de systèmes biologiques moléculaires organisés". Colloque '92 du Centre de recherche en sciences et ingénierie des macromolécules (Université Laval, Québec, 20 novembre).
2. Leblanc, R.M. "Langmuir-Blodgett films studied by modern photophysical methods". Department of Chemistry, University of Ottawa (Ottawa, Ontario, November 15).
3. Leblanc, R.M. "Photophysics of a monomolecular and Langmuir-Blodgett films". Xerox Research Centre of Canada (Mississauga, Ontario, October 30).
4. Leblanc, R.M., G. Munger, B. Zelent, M.I. Gugeshashvili and A.G. Volkov. "Light energy conversion with photosynthetic pigments in Langmuir-Blodgett films". World Congress for Electricity and Magnetism in Biology and Medicine (Lake Buena Vista, FL, June 14-19).
5. Munger, G., A. Tessier, Ke Tian, N.-E. Cherid and R.M. Leblanc. "Monolayer absorption and fluorescence spectroscopies of chlorophyll *a*, TCNQ and C₆₀ at the

gas-water interface". 9th International Symposium on Surfactants in Solution (Varna, Bulgaria, June 10-15).

6. Leblanc, R.M. "Biophysical chemistry of molecular organized biological systems". John Labatt Limited Award Lecture. 75th Canadian Chemical Conference and Exhibition (Edmonton, Alberta, June 1-4).
7. Leblanc, R.M., H. Bourque and J. Gallant. "Topography of Langmuir-Blodgett films by scanning tunneling microscope". Symposium on Kinetics of Nonhomogeneous Processes (Edmonton, Alberta, June 1-4).
8. Leblanc, R.M. "Les matériaux organiques non linéaires à partir d'empilements monomoléculaires". Ministère des Communications (Ottawa, Ontario, 13 mai).
9. Leblanc, R.M., J. Gallant et B. Zelent. "Étude biomimétique de lipides du chloroplaste". Colloque intitulé "Les lipides: des modèles aux membranes biologiques". Congrès de l'ACFAS 60, 60 (Université de Montréal, Québec, 11-12 mai).
10. Leblanc, R.M. "Photophysics of Langmuir-Blodgett films". Department of Chemistry, University of Florida (Gainesville, FL, April 14).
11. Leblanc, R.M. "Potential applications of Langmuir-Blodgett films for molecular electronics". Center for Surface Science and Engineering, University of Florida (Gainesville, FL, March 13).
12. Leblanc, R.M. "Molecular Machine System". Bionic Design International Workshop: Reconstruction of Biological Functions and Structures (Tsukuba Research Center, Tsukuba City, Japan, January 29-30).
13. Leblanc, R.M. "Étude des propriétés optiques et spectroscopiques de films ultraminces". Université Bordeaux I, Département de physique (Bordeaux, France, 17 janvier).

1991 (Total: 5)

1. Leblanc, R.M. "Reconnaissance moléculaire cytochrome-lipide dans les systèmes organisés". Quatrièmes Entretiens du Centre Jacques Cartier: "Tendances en chimie supramoléculaire". (Lyon, France, 4-6 décembre).
2. Leblanc, R.M. "Langmuir-Blodgett Films of Molecular Conductors". 13th Annual International Conference IEEE Engineering in Medicine and Biology Society (Orlando, FL, October 31 - November 3).
3. Leblanc, R.M. and S. Gauvin. "Inelastic electron tunneling spectroscopy investigation of monolayers and films of fatty acids and chlorophyll *a*". The Fifth International Conference on Langmuir-Blodgett Films (Paris, France, August 25-30).
4. Leblanc, R.M. "Les matériaux organiques non linéaires à partir d'empilements monomoléculaires". Ministère des Communications (Ottawa, Ontario, 12 juin).

5. Leblanc, R.M., P.F. Blanchet, D. Côté, M.I. Gugeshashvili, G. Munger and A.G. Volkov. "Light energy conversion with pheophytin and chlorophyll monolayers at optically transparent electrode". SPIE-The International Society for Optical Engineering Symposium (OE/LASE '91) (Los Angeles, CA, January 20-25, 1991).

1990 (Total: 7)

1. Leblanc, R.M. "Photophysics of Langmuir-Blodgett films". 12th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (Philadelphia, PA, November 1-4).
2. Leblanc, R.M. "Nouvelles méthodes spectroscopiques pour étudier les pigments photosynthétiques". Université du Québec à Montréal, Département de chimie (Montréal, Québec, 6 septembre).
3. Leblanc, R.M. "Photophysics of the chlorophyll *a*-cytochrome *c* complex". Satellite Meeting - 1990 Biophysics Congress (Montréal, Québec, August 4-7).
4. Leblanc, R.M. "Photophysical properties of chlorophyll *a* Langmuir-Blodgett films". 73rd Canadian Chemical Conference (Dalhousie University, Halifax, Nova Scotia, July 15-21).
5. Leblanc, R.M. "Étude des interactions moléculaires dans les films ultra-minces par des méthodes physico-chimiques modernes". Laboratoire de stéréochimie et d'interactions moléculaires, École Normale Supérieure de Lyon (Lyon, France, 24 avril).
6. Leblanc, R.M. "Studies of surfactants in Langmuir Films". ICI Explosives Company (Beloeil Site, McMasterville, Québec, April 12).
7. Leblanc, R.M. "Optique non-linéaire dans les matériaux organiques en film Langmuir-Blodgett" (Ministère des Communications, Ottawa, Ontario, 10 avril).

1989 (Total: 8)

1. Leblanc, R.M. "Photobiophysique des pigments biologiques incorporés dans les membranes biologiques naturelles et artificielles". Centre hospitalier de l'Université de Sherbrooke, Département de physiologie et de biophysique (Sherbrooke, Québec, 17 octobre).
2. Leblanc, R.M. "Photophysique des pigments photosynthétiques en films Langmuir-Blodgett". Université de Sherbrooke, Département de chimie (Sherbrooke, Québec, 4 octobre).
3. Leblanc, R.M. "Étude des propriétés optiques des photorécepteurs biologiques". Centre hospitalier de l'Université de Sherbrooke, Département de médecine nucléaire (Sherbrooke, Québec, 29 septembre).

4. Leblanc, R.M. "Photoacoustic and photothermal deflection spectroscopy of photosynthetic pigments". XIXth European Congress on Molecular Spectroscopy (Dresden, GDR, September 4-8).
5. Leblanc, R.M. "Photovoltaic studies of ultrathin films". International Symposium on Photobiology and Biotechnology (Poznan, Poland, June 27-30).
6. Leblanc, R.M. "Photoacoustic spectroscopy of photosynthetic and visual pigments". Korea Advanced Institute of Science and Technology (Seoul, Korea, May 2).
7. Leblanc, R.M. "Photovoltaic properties of biological pigments in Langmuir-Blodgett films". Korea Research Institute of Chemical Technology (Chungnam, Korea, May 1st).
8. Leblanc, R.M. "Photophysical properties of biological pigments in Langmuir-Blodgett films". Kyungbuk University/Chungnam National University, Faculty Exchange Seminar (Daejeon, Korea, April 29).

1988 (Total: 2)

1. Leblanc, R.M. "Nouvelles méthodes spectroscopiques pour étudier les molécules d'intérêt biologique". Université Laval, Centre de recherche en sciences et ingénierie des macromolécules (Québec, Québec, 12 décembre).
2. Leblanc, R.M. "Optical properties of chlorophylls in Langmuir-Blodgett films". NATO Advanced Research Workshop. Condensed Systems of Low Dimensionality. Properties and Applications of 2D Organic Films: L-B Films and Related Structure (Val de Courcelle, Paris, June 5-9).

1987 (Total: 7)

1. Leblanc, R.M. "Photoacoustic spectroscopy of biological photoreceptor membranes". 5th International Topical Meeting on Photoacoustic and Photothermal Phenomena (Heidelberg Universität, Heidelberg, FRG, July 27-30).
2. Leblanc, R.M. "Opto-acoustic phenomena from membrane photoreceptors". NATO Advanced Study Institute. Photosensitisation: Molecular, Cellular and Medical Aspects (Royal Military College, Kingston, Ontario, July 4-18).
3. Leblanc, R.M. "Photoacoustic spectroscopy applied to biological systems". American Society for Photobiology, 15th Annual Scientific Meeting (Sheraton Bal Harbour, Bal Harbour, FL, June 21-25).
4. Leblanc, R.M. "Protein-lipid and/or protein-pigment interaction at the air-water interface using surface pressure, surface potential and ellipsometric measurements". 61st Colloid and Surface Science Symposium (The University of Michigan, Ann Arbor, MI, June 21-24).
5. Leblanc, R.M. "Vertebrate visual transduction". A Symposium Honoring E. William Abrahamson, University of Guelph (Guelph, Ontario, May 13).

6. Leblanc, R.M. "Le point sur la recherche en sciences naturelles et en génie". Conférence sur la recherche dans les petites universités, Université Laurentienne (Sudbury, Ontario, 9-10 avril).
7. Leblanc, R.M. "Lipid-protein interactions studied by modern photophysical methods". Conseil national de recherches Canada, Division des sciences biologiques (Ottawa, Ontario, April 2).

1986 (Total: 5)

1. Leblanc, R.M. "Photophysical properties of biological pigments in Langmuir-Blodgett films". Syracuse University, Department of Chemistry (Syracuse, NY, September 17).
2. Leblanc, R.M. "Surface and optical properties of pure and mixed mono- and multilayer arrays of chlorophyll a". Flash Photolysis and its Applications (The Royal Institution of Great Britain, London, England, July 14-16).
3. Leblanc, R.M. "Photophysical properties of pure and mixed mono- and multilayer arrays of chlorophyll a". Tenth DOE Solar Photochemistry Research Conference (The Pillar and Post Inn, Niagara-on-the-Lake, Ontario, June 9-12).
4. Leblanc, R.M. "Photophysique de pigments biologiques photosynthétiques". Université de Paris VII, Laboratoire d'électrochimie moléculaire (Jussieu, Paris, 14 avril).
5. Leblanc, R.M. "La photoélectrochimie". Université de Sherbrooke, Département de chimie (Sherbrooke, Québec, 19 mars).

1985 (Total: 7)

1. Picard, G., R.M. Leblanc, G. Munger, R. Le Sage and D. Sharma. "Fluorescence lifetime of a chlorophyll *a* monolayer". 1985 Congress on Advances in Spectroscopy and Laboratory Science (Toronto International Centre and the Cara Inn (Airport), Toronto, Ontario, October 7-10).
2. Salessé, C., D. Ducharme, R.M. Leblanc and F. Boucher. "Ellipsometric measurement of the orientation of rhodopsin at the nitrogen-water interface". Federation of American Societies for Experimental Biology (FASEB) Summer Research Conferences (Saxton River, VT, August 11-16).
3. Leblanc, R.M. "Photoacoustic spectroscopy of photosynthetic systems and energetic problems of photosynthesis". 5th International Seminar on Energy Transfer, Charles University, Faculty of Mathematics and Physics, Department of Chemical Physics (Prague, Czechoslovakia, July 8-12).
4. Lamarche, F. and R.M. Leblanc. "Surface and optical properties of a chlorophyll *a*-protein association". 5th International Conference on Surface and

Colloid Science and the 59th Colloid and Surface Science Symposium (Clarkson College, Potsdam, NY, June 24-28).

5. Arseneault, E., A. Diarra, S. Hotchandani, J.J. Max and R.M. Leblanc. "Photovoltaic properties of pure and mixed monolayers of photosynthetic pigments". Intersol 85. Proceedings of the Ninth Biennial Congress of the International Solar Energy Society 3, 1860-1864 (Montréal, Québec, June 23-29).
6. Leblanc, R.M. "Photoacoustic spectroscopy of biological pigments". Spring School on "Creation and deactivation of excited states of biological molecules" (Kolobrezeg, Poland, April 22-28).
7. Leblanc, R.M. "Étude des propriétés photovoltaïques de pigments photosynthétiques et visuels". Université Paul Sabatier, Laboratoire de génie électrique (Toulouse, France, 27 mars).

1984 (Total: 5)

1. Leblanc, R.M. "Approche monomoléculaire à l'étude des pigments photosynthétiques et visuels". Université de Montréal, Département de biochimie (Montréal, Québec, 18 septembre).
2. Leblanc, R.M. "Surface and optical properties of biological pigments in mono- and multilayer arrays". 188th American Chemical Society National Meeting (Philadelphia, PA, August 26-31).
3. Leblanc, R.M. "Surface and optical properties of chlorophyll in model systems". Eight DOE Solar Photochemistry Research Conference (Interlaken Conference Center, Lake Geneva, WI, June 11-14).
4. Leblanc, R.M. "Monolayer approach to study biological membranes". III International School on Structure and Function of Biological Membranes (Varna, Bulgaria, May 10-15).
5. Leblanc, R.M. "Chimie des surfaces et spectroscopie de pigments photosynthétiques à l'état monomoléculaire". Université de Montréal, Département de chimie (Montréal, Québec, 18 janvier).

1983 (Total: 6)

1. Leblanc, R.M. "Monolayer approach to study the photosynthetic and the visual pigments". University of Notre Dame, Radiation Laboratory (Notre Dame, IN, December 8).
2. Leblanc, R.M. "Photoacoustic spectroscopy of biological pigments". Barringer Lecture Award. 30th Spectroscopy Society of Canada (Vancouver, British Columbia, October 6).

3. Leblanc, R.M. "Optical and monolayer properties of photosynthetic and visual pigments". University of Guelph, Department of Chemistry (Guelph, Ontario, March 24).
4. Leblanc, R.M. "Photophysique de la photosynthèse et de la vision. Étude comparative". Université du Québec à Rimouski, Département des sciences (Rimouski, Québec, 17 mars).
5. Leblanc, R.M. "Photoacoustic spectroscopy of photosynthetic and visual pigments". University of Western Ontario, Department of Chemistry (London, Ontario, March 10).
6. Leblanc, R.M. "Le cycle énergétique dans la nature". École Polytechnique de l'Université de Montréal, Département de génie physique (Montréal, Québec, 3 mars).

1982 (Total: 6)

1. Leblanc, R.M. "Propriétés optiques et de surface de la chlorophylle *a*". Université du Québec à Trois-Rivières, Département de chimie-biologie (Trois-Rivières, Québec, 14 octobre).
2. Leblanc, R.M. "Optical and surface properties of biological pigments". Tenth Ontario-Québec Physical Organic Minisymposium (McGill University, Montréal, Québec, October 1-3).
3. Leblanc, R.M. "Optical properties of biological pigments in mono- and multilayer arrays". Langmuir-Blodgett Films (University of Durham, England, September 20-22).
4. Leblanc, R.M. "Optical and surface studies of biological interfaces". Noranda Lecture Award. 65^e Congrès de l'Institut de Chimie du Canada (Toronto, Ontario, June 1).
5. Leblanc, R.M. "Monolayer properties of biological pigments". McGill University, Department of Chemistry (Montréal, Québec, April 2).
6. Leblanc, R.M. "Modèles de membranes biologiques". Université de Sherbrooke, Centre hospitalier universitaire de Sherbrooke, Département de médecine nucléaire et de radiobiologie (Sherbrooke, Québec, 9 février).

1981 (Total: 3)

1. Leblanc, R.M. "Propriétés physicochimiques de la chlorophylle incorporée dans la vésicule lipidique. Transduction énergétique". Université du Québec à Montréal, Département de chimie (Montréal, Québec, novembre).
2. Leblanc, R.M. "Chlorophyll and rhodopsin in model membranes". Discussion Meeting on Visual Pigments and Related Topics (Université de Montréal, Montréal, Québec, October 6-9).

3. Leblanc, R.M. "Le rôle des phospholipides dans les récepteurs visuels". Université de Sherbrooke, Annales de l'ACFAS 48, 26 (13-15 mai).

1980 (Total: 3)

1. Leblanc, R.M. "Monolayer properties of some biological pigments". Royal Military College of Canada (Kingston, Ontario, December 1).
2. Leblanc, R.M. "Modèles de bio-membranes photosensibles". Université de Louvain, International Institute of Cellular and Molecular Pathology (Louvain, Belgique, 11 mars).
3. Leblanc, R.M. "Modèles de bio-membranes photosensibles". Université de Liège, Département de Botanique (Liège, Belgique, 7 mars).

1979 (Total: 10)

1. Leblanc, R.M. "Spectroscopie photoacoustique du photorécepteur visuel". Université de Montréal, Département des sciences biologiques (Montréal, Québec, 1^{er} novembre).
2. Leblanc, R.M. "La bioénergétique"; "La synthèse de l'ATP"; "Structure de membranes biologiques et modèles de membranes biologiques artificielles". Cours Internationaux Post-Universitaires (Université de Liège, Liège, Belgique, 20-25 août).
3. Leblanc, R.M. "La spectroscopie photoacoustique appliquée aux molécules d'intérêt biologique". Université du Québec à Montréal, Département de chimie (Montréal, Québec, 13 juin).
4. Leblanc, R.M. "Les monocouches en tant que modèle de membrane biologique artificielle". Université Laval, Département de chimie (Québec, Québec, 22 mars).
5. Leblanc, R.M. "La spectroscopie photoacoustique". Université du Québec à Trois-Rivières, Département de chimie-biologie (Trois-Rivières, Québec, 15 mars).
6. Leblanc, R.M. "Novel methods for preparing lipid bilayer". Research Institute for Polymers and Textiles (Yokohama, Japan, February 7).
7. Leblanc, R.M. "Photoacoustic spectroscopy of photosynthetic bacteria". Tokyo University, Komaba, Department of Biology (Tokyo, Japan, February 5).
8. Leblanc, R.M. "Ultrasensitive Langmuir film balance". Osaka University, Department of Biology (Osaka, Japan, February 2).
9. Leblanc, R.M. "Monolayers as a biological model membrane". Kyoto University, Faculty of Pharmaceutical Sciences (Kyoto, Japan, January 31).
10. Leblanc, R.M. "Photophysique de la perception colorée". Centre Québécois de la Couleur Inc. (Montréal, Québec, 18 janvier).

1978 (Total:1)

1. Leblanc, R.M. "Processus photophysiques de la photosynthèse". Université de Moncton, Département de chimie (Moncton, Nouveau-Brunswick, 27 novembre).

1977 (Total: 2)

1. Leblanc, R.M. "Photophysique de la photosynthèse et de la vision". Université du Québec à Trois-Rivières, Département de physique (Trois-Rivières, Québec, 1^{er} décembre).
2. Leblanc, R.M. "Les monocouches en tant que modèle membranaire". 45^e Congrès de l'ACFAS (Université du Québec à Trois-Rivières, Trois-Rivières, Québec, 19-21 mai), Colloque sur les Membranes biologiques artificielles.

1976 (Total: 4)

1. Leblanc, R.M. "Molecular photobiology". 4th Physical Organic Mini- Symposium (McGill University, Montréal, Québec, November 5, 6 and 7).
2. Leblanc, R.M. "La biophysique". 11^e Congrès de l'Association des Professeurs en Sciences du Québec (Drummondville, Québec, 14, 15 et 16 octobre).
3. Leblanc, R.M. "Photobiologie moléculaire". 44^e Congrès de l'ACFAS (Université de Sherbrooke, Sherbrooke, Québec, 12-14 mai), Colloque sur la Biophysique au Québec: Tour d'horizon.
4. Leblanc, R.M. "Modèles de piège d'énergie dans l'unité photosynthétique". Université de Montréal, Département de chimie (Montréal, Québec, 10 mars).

1975 (Total: 1)

1. Leblanc, R.M. "La bioénergétique". Dans le cadre des cours internationaux post-universitaires. Université de Liège - Sart Tilman (Liège, Belgique, 17-23 août).

1974 (Total: 2)

1. Leblanc, R.M. "Spectroscopie de pigments visuels à l'état monomoléculaire". Université de Montréal, Département des sciences biologiques (Montréal, Québec, 22 novembre).
2. Leblanc, R.M. "Spectrofluorimétrie laser". Université de Montréal, Département de physique (Montréal, Québec, 5 novembre).

1973 (Total: 2)

1. Leblanc, R.M. "Photochimie de la vision". Université de Sherbrooke, Département de chimie (Sherbrooke, Québec, 19 novembre).

2. Leblanc, R.M. "Propriétés photophysiques de la chlorophylle à l'état monomoléculaire". Université Laval, Département de chimie (Québec, Québec, 21 mars).

FUNDING SOURCE AND TITLE OF RESEARCH

UNIVERSITY OF MIAMI

- National Science Foundation (PI: R.M. Leblanc) (Chemical, Bioengineering, Environmental and Transport Systems (CBET)) “New Approach for Biosensing in Cardiac Diagnosis” (NSF: CBET – C1400064 Eager) (Dec. 1, 2013- Nov. 31, 2015)	2013-2015	200 000\$
- National Science Foundation (PI: R.M. Leblanc) (Chemical, Bioengineering, Environmental and Transport Systems (CBET)) “New Approach for Biosensing in Cardiac Diagnosis” (NSF: CBET – 0944290 Eager) (July 15, 2009- June 30, 2012)	2009-2012	299 999\$
- Defense University Research Instrumentation Program (PI: R.M. Leblanc) “Purchase of Atomic Force Microscope”	2009-2010	108 610\$
- Scientific Awards Committee (SAC) Miller School of Medicine Pilot Study Award (PI: V. Moy; Co-PI: R.M. Leblanc) “Roles of Synaptotagmin and Complexin in Vesicle Fusion” (May 15, 2009- May 14, 2010)	2009-2010	20 000\$
- Bridge Funding, College of Arts and Sciences, Univ. of Miami “Development of Quantum Dot-based “Smart” Materials” (Feb. 15, 2009- Feb. 14, 2010)	2009-2010	7 000\$
- National Science Foundation (Major Research Instrumentation Program); (PI: V. Moy; Co-PI: R.M. Leblanc, K.L. Magleby, F. Manns, J.-M. Parel) “Acquisition and Development of Atomic Force Microscopy Technologies for Biophysical Studies” (NSF: 0722372) (July 2007- June 2008)	2007-2008	336 939\$
- National Science Foundation (PI: R.M. Leblanc) (Analytical and Surface chemistry) Combinatorial Surface Chemistry: Novel Approach Towards Biomimetic in 2-D (NSF: CHE – 0416095) (July 15, 2004- July 14, 2007)	2004-2007	420 000\$
- National Science Foundation (PI: R.M. Leblanc) Supplement	2004-2007	65 000\$
- National Science Foundation (PI: R.M. Leblanc)	2000-2006	19 500\$

US-Japan Collaborative Research (NSF: INT-9981375)

- Army Research Office (DAAD 19-03-1-0131) Enzymatic decontamination of environmental Organophosphorus compounds	2003-2006	255 000\$
- Department of Defense Hispanic Serving Institutions Research and Instrumentation Program (HIS) "Purchase of Peptide Synthesizer"	2005-2006	120 006\$
- Department of Defense Hispanic Serving Institutions Research and Instrumentation Program (HSI) "Purchase of Circular Dichroism Spectrometer" (Army Research Office: 45314-CH-HSI)	2003- 2004	98 228\$
- Defense University Research Instrumentation Program (DURIP) (U.S. Army: DAAD 19-02-1-0186) (PI: R.M. Leblanc) "Purchase of Imaging Ellipsometer"	2002	130 000\$
- United States Department of Agriculture (USDA: In collaboration with Dr. R.E. Gawley)	2001-2003	310 000\$
- Defense University Research Instrumentation Program (DURIP) "Purchase of FTIR spectrometer" (PI: R.M. Leblanc) (U.S. Army : DAAD 19-01-1-0420)	2001	145 000\$
- National Science Foundation (PI : R.M. Leblanc) (Analytical and Surface chemistry) Combinatorial Surface Chemistry : Novel Approach Towards Biomimetic Sensor Development (NSF: CHE – 0091390) (April 1, 2001- March 31, 2004)	2001-2004	360 000\$
- Purchase of 500 MHz NMR Spectrometer (PI : R.M. Leblanc and Co-PI : L. Echegoyen, R.E. Gawley and A.E. Kaifer) (NSF : \$314,950. and UM : \$234,950.)	2000	549 900\$
- Purchase of Maldi-Tof Mass Spectrometer. (PI: R.M. Leblanc and Co-PI: L. Echegoyen, J. Fell, A. Kaifer, P. Milne and K.C. Russell) (NSF: \$167,300. and UM \$87,300.)	2000	254 600\$
- Defense University Research Instrumentation Program (DURIP) "Epifluorescence Film Balance System" (U.S. Army: DAAD 19-00-1-0023)	2000	58 700\$
- International Business Machines SUR Grant (11/99-11/00) (PI: R.M. Leblanc and Co-PIs : Profs. C. Hare and J. Evanseck) Research and Education in Computational Chemistry	1999-2000	938 297\$

- Army Research Office (DAAG 55-97-1-0160)	2000-2003	310 000\$
- Army Research Office (DAAG 55-97-1-0160)	1997-2000	330 000\$
- United States Department of Agriculture (USDA: 98-35201-6209) (In collaboration with Dr. R. Gawley)	1998-2000	95 000\$
- Parfums Christian Dior	1995-2000	200 013\$
- Culpepper Foundation	1999-2000	50 000\$
- Arthur Vining Davis Foundation (10/98-10/99) (PI: R.M. Leblanc and Co-PIs: Prof C. Hare and J. Evanseck) Undergraduate Curriculum Reform in Chemical Education	1998-1999	150 000\$
- Upgrade of scanning probe microscopy system (NSF: CHE-9709217)	1997-1998	99 400\$
- Purchase of 300 MHz NMR Spectrometer (NSF: CHE - 9613929)	1997-1998	239 000\$
- American Chemical Society Petroleum Research Fund (PRF)	1996-1998	50 000\$
- ICI Americas Inc.	1995-1997	64 000\$
- NATO	1994-1996	6 904\$
- Rosenstiel School of Marine and Atmospheric Science	1994-1995	10 000\$

UNIVERSITE DU QUEBEC A TROIS-RIVIERES

INDIVIDUAL

NSERC

- | | | |
|---|-----------|-----------|
| - Operating Grant
"Photobiophysique de la photosynthèse". | 1993-1995 | 110 000\$ |
| - International Fellowship-Canada:
"Les commutations optiques dans les matériaux organiques en 2D".
(Dr. G. Puccetti, Centre National d'Études des Télécommunications, Bagneux, France). | 1993-1995 | 58 000\$ |
| - International Scientific Exchange Award:
"Systèmes moléculaires organisés de conducteurs organiques".
(Dr. C. Garrigou-Lagrange, Centre de Recherche Paul Pascal, Université de Bordeaux I, Bordeaux, France). | 1993 | 11 400\$ |
| - Operating Grant
"Photobiophysique de la photosynthèse". | 1992-1993 | 65 000\$ |
| - Research Partnerships Program
(CRSNG-ICI Canada-UQTR)
"Studies on the recognition behavior of surface active molecules at the ammonium nitrate surfaces". | 1992-1994 | 108 000\$ |
| - Conference Grant (Strategic):
"Sixième congrès international sur les films moléculaires organisés". (Trois-Rivières, Québec, 4-9 juillet 1993). | 1992-1993 | 21 840\$ |
| - International Scientific Exchange Award:
"Propriétés optiques et conductrices de dérivés de phtalocyanines en films Langmuir-Blodgett".
(Prof. Y. Bai, Department of Chemistry, Jilin University, Changchun, China). | 1992-1993 | 12 800\$ |
| - International Scientific Exchange Award:
"Examen de la topographie du thylacoïde à l'échelle moléculaire à l'aide de la microscopie à force atomique".
(Dr. A.G. Ivanov, Central Laboratory of Biophysics, Bulgarian Academy of Sciences, Acad. G. Bonchev 21, 113 Sofia, Bulgaria) | 1992-1993 | 12 500\$ |

- Strategic:	1992-1993	79 000 \$
"Étude des mécanismes d'action des composés soufrés dans l'inhibition de la photosynthèse".	1991-1992	77 500 \$
	1990-1991	77 500 \$
- Equipment Grant (Strategic):	1990-1991	20 399 \$
"Analyseur de sulfure d'hydrogène".		
- International Scientific Exchange Award:	1991-1992	11 800 \$
"Spectroscopie par lumière polarisée d'organismes photosynthétiques". (Prof. D. Frackowiak, Institute of Physics, Poznan Technical University, Poznan, Poland).		
- International Scientific Exchange Award:	1991-1992	12 000 \$
"Propriétés thermodynamiques et spectroscopiques de la chlorophylle <i>a</i> et de la lutéine en mélange à l'état monomoléculaire". (DR.M. Tomoaia-Cotisel, Physical Chemistry Department, University of Cluj-Napoca, Romania).		
- International Fellowship:	1991-1992	28 000 \$
"Studies on the structures and properties of some molecules in ordered molecular assemblies". (Dr. Tian Ke, Chemistry Department, Jilin University, China).		
- International Scientific Exchange Award:	1990-1991	7 200 \$
"Parallel photoacoustic and fluorescence measurements of intact leaves, infiltrated with water, during the induction period". (Prof. S. Malkin, Biochemistry Department, Weizmann Institute of Science, Rehovot, Israel).		
- International Fellowship:	1990-1991	28 000 \$
"Studies on the structures and properties of some molecules in ordered molecular assemblies". (Dr. Tian Ke, Chemistry Department, Jilin University, China).		
- Operating Grant:	1991-1992	77 392 \$
"Photobiophysique de la photosynthèse".	1990-1991	77 392 \$

	1989-1990	77 392 \$
- Equipment Grant: "Microscope à force atomique".	1991-1992	50 820 \$
- Equipment Grant (Strategic): "Analyseur d'ozone".	1989-1990	19 856 \$
- International Scientific Exchange Award: "Photochemical studies of photosensitizers for photo-pesticides". (Prof. R. Becker, Department of Chemistry, University of Houston, Houston, TX, U.S.A.).	1989-1990	5 400 \$
- Strategic: "Mesure quantitative directe de l'impact toxicologique causé par les polluants gazeux et les pluies acides aux forêts par la spectroscopie photoacoustique (SPA)".	1989-1990 1988-1989 1987-1988	87 640 \$ 83 740 \$ 59 720 \$
- Operating Grant: "Photophysique de la photosynthèse et de la vision".	1988-1989 1987-1988 1986-1987	64 545 \$ 64 545 \$ 64 545 \$
- Equipment Grant (Strategic): "Transient photoconductivity of chlorophyll <i>a</i> photovoltaic cells employing pulsed electric field".	1987-1988	11 658 \$
- Equipment Grant: "Ellipsomètre".	1987-1988	30 000 \$
- International Scientific Exchange Award: "Étude des modifications structurales entre la rhodopsine et la porphyropsine incorporées dans la membrane". (Prof. M. Yoon, Department of Chemistry, Chungnam National University, Daejon, Korea).	1987-1988	9 000 \$
- Strategic: "Cellules photovoltaïques à base de pigments biologiques".	1987-1988 1986-1987 1985-1986	67 400 \$ 59 840 \$ 59 340 \$
- Equipment Grant (Strategic): "Evaporation unit for deposition of metallic films".	1986-1987	29 760 \$
- Operating Grant: "Photophysique de la photosynthèse et de la vision".	1985-1986 1984-1985	63 107 \$ 63 107 \$

	1983-1984	60 102 \$
- International Scientific Exchange Award: "Transformation d'énergie lumineuse en énergie chimique par des membranes photosynthétiques et par des modèles mécanistiques de ces membranes".(Prof. J. Aghion, Département de Botanique, Université de Liège, Liège, Belgique).	1984-1985	6 000 \$
- Equipment Grant (Strategic): "Pulsed photoconductivity equipment".	1984-1985	43 870 \$
- Equipment Grant: "Spectrophotométrie et spectrofluorimétrie de pigments biologiques en monocouche à l'interface air-eau".	1984-1985	43 500 \$
- Strategic: "Étude de cellules photovoltaïques organiques à base de pigments photosynthétiques".	1984-1985 1983-1984 1982-1983	44 838 \$ 44 838 \$ 48 000 \$
- Equipment Grant: "Mesure de durée de vie de la fluorescence".	1982-1983	65 743 \$
- Operating Grant: "Photophysique de la photosynthèse et de la vision".	1982-1983 1981-1982 1980-1981	41 927 \$ 36 300 \$ 33 000 \$
- Equipment Grant: "Ellipsomètre à haute sensibilité".	1981-1982	20 000 \$
- Operating Grant: "Photophysique de la photosynthèse et de la vision".	1979-1980 1978-1979 1977-1978	27 430 \$ 26 500 \$ 25 000 \$
- Equipment Grant: "Spectrophotomètre uv-visible et proche infrarouge".	1978-1979	20 000 \$
- Operating Grant: "Problèmes photophysiques dans la photosynthèse".	1976-1977 1975-1976 1974-1975	10 530 \$ 10 265 \$ 9 000 \$
- Equipment Grant: "Bâti ultra-vide d'évaporation".	1973-1974	8 360 \$

- Operating Grant:	1973-1974	7 000 \$
"Problèmes photophysiques dans la photosynthèse".	1972-1973	7 000 \$
	1971-1972	7 000 \$
- Operating Grant:	Nov. 1970-	4 000 \$
"Problèmes photophysiques dans la photosynthèse".	Avril 1971	

UQTR

- Fonds Institutionnel de Recherche. Volet C. "Professionnel de recherche (G. Munger)".	1987-1988	16 000 \$
- Fonds Institutionnel de Recherche. Volet B. "Propriétés optiques non destructives de molécule d'intérêt biologique à l'interface air-eau".	1987-1988	8 000 \$
- Fonds Institutionnel de Recherche. Volet A. "Photoélectrochimie de porphyrines surfactantes".	1985-1986	3 500 \$
- "Photoélectrochimie de porphyrines surfactantes".	1985-1986	6 000 \$
- Fonds Institutionnel de Recherche. Volet C. "Professionnel de recherche (S. Hotchandani)".	1984-1985	2 875 \$
- Fonds Institutionnel de Recherche. Volet A. "La chimie des surfaces des asphaltènes".	1984-1985	3 000 \$
- Fonds Institutionnel de Recherche. Virage Technologique. "Synthèses organiques couplées à l'hydrolyse d'ATP <i>in vitro</i> ".	1983-1984	3 000 \$
- Université du Québec. "Projet de recherche sur le dépistage du cancer".	1982-1983	30 000 \$
- Fonds Institutionnel de Recherche. Volet A. "Professionnel de recherche".	1982-1983	2 900 \$
- Fonds Institutionnel de Recherche. Volet C. "Photophysique de la photosynthèse et de la vision".	1981-1982	4 448 \$
- Fonds Institutionnel de Recherche. Volet C. "Photophysique de la photosynthèse et de la vision".	1980-1981	5 665 \$
- Fonds Institutionnel de Recherche. "Photophysique de la photosynthèse et de la vision".	1979-1980	5 658 \$
- Fonds Institutionnel de Recherche.	1978-1979	5 454 \$

"Photophysique de la photosynthèse et de la vision".

- Fonds Institutionnel de Recherche. "Processus photophysiques dans la photosynthèse".	1977-1978	5 700 \$
- Fonds Institutionnel de Recherche. "Processus photophysiques dans la photosynthèse et dans la molécule de colchicine".	1976-1977	7 200 \$
- Fonds Institutionnel de Recherche. "Processus photophysiques dans la photosynthèse et dans la molécule de colchicine".	1975-1976	7 640 \$
- Fonds Institutionnel de Recherche. "Problèmes photophysiques dans la photosynthèse". "Processus photophysiques de la molécule de colchicine".	1974-1975	5 500 \$
- Fonds Institutionnel de Recherche. "Problèmes photophysiques dans la photosynthèse". "Processus photophysiques de la molécule de colchicine".	1973-1974	5 000 \$
- Fonds Institutionnel de Recherche. "Problèmes photophysiques dans la photosynthèse". "Processus photophysiques de la molécule de colchicine".	1972-1973	4 660 \$
- Fonds Institutionnel de Recherche. "Problèmes photophysiques dans la photosynthèse". "Processus photophysiques de la molécule de colchicine".	1971-1972	1 700 \$
- Fonds Institutionnel de Recherche. Excédent budgétaire 1969-1970: "Problèmes photophysiques dans la photosynthèse".	Sept. 1971	2 115 \$
- Fonds Institutionnel de Recherche. "Problèmes photophysiques dans la photosynthèse".	1970-1971	9 100 \$

OTHER SOURCES

- Parfums Christian Dior, Saint Jean de Braye, France:	1994	25 000 (US\$)
"Étude du phénomène de pénétration des filtres solaires dans la peau humaine par la méthode de spectroscopie photoacoustique modulée et pulsée".	1993	35 000 (US\$)
- Ministère des Communications, Centres d'excellence:	1991-1992	25 000 \$
"Matériaux organiques non linéaires à partir d'empilements monomoléculaires".	1990-1991	20 000 \$
- Conseil des recherches en pêche et agro-alimentaire du Québec (CORPAQ):	1990-1991	16 000 \$
"Étude de l'effet à long terme de doses sub- et susliminaires d'ozone (O ₃) sur la photosynthèse et la croissance du maïs et de l'érable à sucre".	1989-1990	16 000 \$
	1988-1989	18 000 \$
- Ministère de l'énergie et des Ressources (secteur Forêts) - Centre multirégional de recherche en foresterie (CMRF) :	1991-1992	68 000 \$
Appareillage:	1990-1991	61 000 \$
"Prototype d'un spectrofluorimètre photoacoustique et son application dans le domaine du dépérissement des forêts".	1989-1990	45 000 \$
- Ministère des Communications, Commandite: "Les commutations optiques dans les matériaux organiques".	1989-1990	25 000 \$
- Fonds FCAR, Actions spontanées:	1991-1992	35 200 \$
"Réalisation et application d'un spectrofluorimètre photoacoustique dans le domaine du dépérissement des forêts".	1990-1991	32 200 \$
	1989-1990	13 000 \$
- Fonds FCAR, Actions spontanées (Équipement):	1989-1990	27 000 \$
"Composantes pour la construction d'un spectrofluorimètre photoacoustique".		

- Entente auxiliaire Canada-Québec sur le développement agro-alimentaire: "Détermination quantitative de l'effet synergique de l'ozone et de l'anhydride sulfureux sur la vitalité des arbres par la spectroscopie photoacoustique (SPA)".	1987-1990	91 600 \$
- Canadian Industries Limited, Commandite: "Surface properties of polyalkenyl surfactants".	1988-1989	28 000 \$
- Agriculture Canada: "Étude de l'influence de l'acidité sur l'état de santé des plantes par spectroscopie photoacoustique (SPA)".	1988-1989 1987-1988	10 000 \$ 10 000 \$
- PRODAR-Centre multirégional de recherche en technologies forestières:sciences "La détermination quantitative de l'effet synergique de l'ozone, de l'anhydride sulfureux et des précipitations acides sur la vitalité des arbres par la spectroscopie photo-acoustique (SPA)".	1987-1988	10 000 \$
- Esso Ressources Canada Limitée: "La chimie des surfaces des asphaltènes".	1985-1986	8 000 \$
- Conseil de Recherches pour la Défense: "Processus photochimiques de la vision".	1974-1975	4 000 \$
- Société d'Aluminium Reynolds (Canada) Limitée: "Analyse des eaux usées".	Mars 1974	600 \$
- Conseil de Recherches pour la Défense: "Processus photochimiques de la vision".	1973-1974	6 500 \$
- Conseil de Recherches pour la Défense: "Processus photochimiques de la vision".	1972-1973	6 500 \$
- Société d'Aluminium Reynolds (Canada) Limitée: "Analyse des eaux usées".	1972	2 550 \$
- Conseil de Recherches pour la Défense: "Étude des processus photochimiques de la vision".	1971-1972	3 500 \$

TEAM**NSERC**

- | | | |
|--|-------------------------------------|-------------------------------------|
| - Equipment Grant:
"Synthétiseur micro-ondes".
Searchers: C. Akyel, <u>T.K. Bose</u> , R.G.
Bosisio et R.M. Leblanc | 1990-1991 | 83 866 \$ |
| - Strategic:
"Study of charge separation efficiency in
ultra-thin films of photosynthetic pigments
in relation to fabrication of efficient organic
photovoltaic cells".
Searchers (1989-1990): S. Hotchandani et <u>R.M. Leblanc</u>
(1988-1989): S. Hotchandani, <u>R.M. Leblanc</u> ,
et J.J. Max (Départ:janvier 1989) | 1990-1991
1989-1990
1988-1989 | 51 000 \$
51 000 \$
51 000 \$ |
| - Equipment Grant:
"Chambre de croissance pour loger semis et algues".
Searchers: R. Carpentier, M. Fragata, <u>R.M. Leblanc</u> ,
et R. Popovic | 1988-1989 | 56 302 \$ |
| - Special Equipment 1987-1988:
"Spectromètre infrarouge par transformé de Fourier".
Searchers: T.K. Bose, R. Carpentier, M. Fragata,
et <u>R.M. Leblanc</u> | 1987-1988 | 231 794 \$ |
| - Recherche et développement coopératifs:
"Application de la spectroscopie photoacoustique à
l'industrie laitière".
Searchers: M. Lavoie, <u>R.M. Leblanc</u> et P. Paquin | 1985-1986 | 31 720 \$ |
| - Equipment Grant:
"Générateur des signaux hyperfréquences".
Searchers: <u>T.K. Bose</u> et R.M. Leblanc | 1985-1986 | 34 136 \$ |
| - Equipment Grant:
"Chambre froide".
Searchers: F. Boucher, C. Chapados, M. Fragata,
<u>R.M. Leblanc</u> et P. Tancrede | 1983-1984 | 45 000 \$ |
| - Equipment Grant:
"Système de traitement de données pour spectrophoto-
métrie infrarouge".
Searchers: T.K. Bose, <u>C. Chapados</u> et R.M. Leblanc | 1981-1982 | 27 905\$ |

-"Étude de cellules photovoltaïques utilisant comme photoconducteurs une phtalocyanine métallique à chaîne grasse". Searchers: J.-P. Dodelet et <u>R.M. Leblanc</u>	1979-1980	30 000 \$
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FCAR

- "Transduction énergétique dans les biomembranes photosensibles". Searchers (1991-1994): <u>R.M. Leblanc</u> et C. Salesse	1993-1994 1992-1993 1991-1992	41 680 \$ 41 960 \$ 37 600 \$
- "Photophysique et photochimie de pigments à l'état monomoléculaire". Searchers (1988-1990): A. Antippa et <u>R.M. Leblanc</u>	1990-1991 1989-1990 1988-1989	37 830 \$ (+ 9 700 \$ app.) 37 830 \$ (+ 7 000\$ app.) 37 830 \$
- "Photophysique et photochimie de pigments à l'état monomoléculaire". Searchers : (1987-1988): A. Antippa, C. Chapados, et <u>R.M. Leblanc</u> (1986-1987): C. Chapados, <u>R.M. Leblanc</u> , et M. Ringuet (1985-1986): C. Chapados, <u>R.M. Leblanc</u> , et M. Ringuet	1987-1988 1986-1987 1985-1986	42 000 \$ (+ 22 000 \$ app.) 42 000 \$ (+ 13 500\$ app.) 39 814 \$ (+ 11 720\$ app.)
- "Photophysique et photochimie de pigments à l'état monomoléculaire" Searchers : C. Chapados, M. Fragata, <u>R.M. Leblanc</u> , et M. Ringuet	1984-1985 1983-1984 1982-1983	39 399 \$ (+ 19 260\$ app.) 37 250 \$ (+ 10 000 \$ app.) 37 251 \$ (+ 2 800 \$ app.)
- "Photophysique et photochimie de pigments à l'état monomoléculaire". Searchers : C. Chapados, J.-P. Dodelet, M. Fragata, I. Gruda, <u>R.M. Leblanc</u> et P. Tancrede	1981-1982 1980-1981 1979-1980	37 950 \$ (+19 000\$ app.) 33 000 \$ (+ 4 200\$ app.) 30 000 \$

- "Photophysique et photochimie de pigments à l'état monomoléculaire".
 Searchers : C. Chapados, J.-P. Dodelet, M. Fragata, I. Gruda, R.M. Leblanc et P. Tancrede
 1978-1979 27 000 \$
 (+ 8 000\$ app.)
- "Photophysique et photochimie de pigments à l'état monomoléculaire".(+ 8 000 \$ app.)
 Searchers : A. Antippa, C. Chapados, J.-P. Dodelet, I. Gruda et R.M. Leblanc
 1977-1978 27 000 \$
- "Photophysique et photochimie de pigments à l'état monomoléculaire".
 Searchers : A. Antippa, C. Chapados, R. Gagnon, I. Gruda, R.M. Leblanc et J. Meunier
 1976-1977 27 000 \$
- "Photophysique et photochimie de pigments à l'état monomoléculaire".
 Searchers :C. Chapados, M. Fragata, R. Gagnon,I. Gruda, R.M. Leblanc et J. Meunier
 1975-1976 29 000 \$
- "Photophysique et photochimie de pigments à l'état monomoléculaire".
 Searchers : C. Chapados, R. Gagnon, I. Gruda, et R.M. Leblanc
 1974-1975 16 000 \$
- "Photophysique et photochimie de pigments à l'état monomoléculaire".
 Searchers : C. Chapados, R. Gagnon, I. Gruda, et R.M. Leblanc
 1973-1974 10 000 \$
- "Mécanismes photobiologiques de l'activité des polluants".
 Searchers : A. Antippa, M. Fragata et R.M. Leblanc
 1973-1974 5 000 \$
 1972-1973 10 000 \$
 1971-1972 12 000 \$

GROUP**NSERC**

- Développement régional, Groupe de recherche en biophysique:

1979-1980	30 000 \$
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 Searchers : A. Antippa, C. Chapados, J.-P. Dodelet,
 M. Fragata, C. Gicquaud, I. Gruda,
 J. Gruda, R.M. Leblanc et G. Lefebvre
- Développement régional, Groupe de recherche en biophysique:

1978-1979	48 000 \$
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 Searchers : A. Antippa, C. Chapados, J.-P. Dodelet,
 M. Fragata, C. Gicquaud, I. Gruda,
 J. Gruda, R.M. Leblanc et G. Lefebvre
- Développement régional, Groupe de recherche en biophysique:

1977-1978	30 000 \$
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 Searchers : A. Antippa, C. Chapados, J.-P. Dodelet,
 M. Fragata, C. Gicquaud, I. Gruda,
 J. Gruda, R.M. Leblanc et G. Lefebvre
- Développement régional, Groupe de recherche en biophysique:

1976-1977	30 000 \$
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 Searchers : M. Fragata, J. Gruda, R.M. Leblanc
 et G. Lefebvre
- Développement régional, Groupe de recherche en biophysique:

1975-1976	35 000 \$
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 Searchers : M. Fragata, J. Gruda, R.M. Leblanc
 et G. Lefebvre
- Développement régional, Groupe de recherche en biophysique:

1974-1975	41 000 \$
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 Searchers : M. Fragata, J. Gruda, R.M. Leblanc
 et G. Lefebvre
- Développement régional, Groupe de recherche en biophysique:

1973-1974	20 000 \$
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 Searchers : M. Fragata, J. Gruda, R.M. Leblanc
 et G. Lefebvre
- Développement régional, Groupe de recherche en biophysique:

1973-1974	9 000 \$
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 Searchers : M. Fragata, J. Gruda, R.M. Leblanc
 et G. Lefebvre

UQTR

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|---|-----------|-----------|
| - Infrastructure relative au Groupe de recherche en biophysique:
Searchers : A. Antippa, C. Chapados, J.-P. Dodelet, M. Fragata, C. Gicquaud, I. Gruda, J. Gruda, <u>R.M. Leblanc</u> et G. Lefebvre | 1980-1981 | 40 824 \$ |
| - Infrastructure relative au Groupe de recherche en biophysique:
Searchers : A. Antippa, C. Chapados, J.-P. Dodelet, M. Fragata, C. Gicquaud, I. Gruda, J. Gruda, <u>R.M. Leblanc</u> et G. Lefebvre | 1979-1980 | 32 000 \$ |
| - Infrastructure relative au Groupe de recherche en biophysique:
Searchers : A. Antippa, C. Chapados, J.-P. Dodelet, M. Fragata, C. Gicquaud, I. Gruda, J. Gruda, <u>R.M. Leblanc</u> et G. Lefebvre | 1978-1979 | 25 000 \$ |
| - Infrastructure relative au Groupe de recherche en biophysique:
Searchers : A. Antippa, C. Chapados, J.-P. Dodelet, M. Fragata, C. Gicquaud, I. Gruda, J. Gruda, <u>R.M. Leblanc</u> et G. Lefebvre | 1977-1978 | 25 000 \$ |
| - Infrastructure relative au Groupe de recherche en biophysique:
Searchers : M. Fragata, J. Gruda, <u>R.M. Leblanc</u> et G. Lefebvre | 1976-1977 | 20 000 \$ |
| - Infrastructure relative au Groupe de recherche en biophysique:
Searchers : M. Fragata, J. Gruda, <u>R.M. Leblanc</u> et G. Lefebvre | 1975-1976 | 12 375 \$ |
| - Infrastructure relative au Groupe de recherche en biophysique:
Searchers : M. Fragata, J. Gruda, <u>R.M. Leblanc</u> et G. Lefebvre | 1974-1975 | 15 000 \$ |
| - Infrastructure relative au Groupe de recherche en biophysique:
Searchers : M. Fragata, J. Gruda, <u>R.M. Leblanc</u> et G. Lefebvre | 1973-1974 | 16 000 \$ |
| - Accréditation du Groupe de recherche en biophysique:
Searchers : A. Antippa, M. Fragata, <u>R.M. Leblanc</u> , et G. Lefebvre | Déc. 1972 | 10 000 \$ |

RESEARCH CENTER

(Responsabilité administrative et scientifique)

FCAR

- Centre de recherche:	1990-1991	130 000\$ (+ 23 000\$ app.)
	1989-1990	130 000 \$ (+ 34 000 \$ app.)
	1988-1989	130 000 \$ (+ 7 000\$ app.)
- Centre de recherche:	1986-1987	110 000 \$ (+ 50 900 \$ app.)
	1985-1986	110 000 \$
	1984-1985	110 000 \$ (+ 57 000 \$ app.)
- Centre de recherche:	1983-1984	100 000 \$ (+ 43 000 \$ app.)
	1982-1983	100 000 \$ (+ 20 000 \$ app.)
	1981-1982	100 000 \$ (+ 53 805 \$ app.)