

Curriculum Vitae

Alaa S. Abd-El-Aziz, B.Sc., M.Sc., Ph.D., FCIC

Office of the President

University of Prince Edward Island
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DEGREES

Ph.D. 1989 University of Saskatchewan, Canada
M.Sc. 1985 Ain Shams University, Cairo, Egypt
B.Sc. 1981 Ain Shams University, Cairo, Egypt

ADMINISTRATIVE POSITIONS

2011-present **President and Vice-Chancellor**
University of Prince Edward Island

2007-2011 **Provost**
The University of British Columbia (Okanagan Campus)

2006-2007 **Associate Vice-President and Chief Operating Officer, Academic & Research**
The University of British Columbia (Okanagan Campus)

2004-2006 **Vice-President, Research, International and External Affairs**
The University of Winnipeg

2005-2006 **Acting Vice-President Academic**
The University of Winnipeg

2001-2004 **Associate Vice-President Academic, Research and Graduate Studies**
The University of Winnipeg

2000-2001 **Dean of Science**
The University of Winnipeg

1998-2000 **Chair**
Department of Chemistry, The University of Winnipeg

1995-1996 **Acting Chair**
Department of Chemistry, The University of Winnipeg

1994-1995 **Co-op Coordinator**
Department of Chemistry, The University of Winnipeg

ACADEMIC POSITIONS

2011-present **Professor**, Department of Chemistry, University of Prince Edward Island

2011-2014 **Adjunct Professor**, Department of Chemistry, The University of British Columbia Okanagan

2006-2011 **Professor**, Department of Chemistry, The University of British Columbia Okanagan

ACADEMIC POSITIONS (continued)

2006-2009 **Adjunct Professor**, Department of Chemistry, The University of Winnipeg
2005-2009 **Adjunct Professor**, Département de chimie, Université de Sherbrooke
1991-2008 **Adjunct Professor**, Department of Chemistry, University of Manitoba
1997-2006 **Professor**, Department of Chemistry, The University of Winnipeg
1993-1997 **Associate Professor**, Department of Chemistry, The University of Winnipeg
1990-1993 **Assistant Professor**, Department of Chemistry, The University of Winnipeg
1989-1990 **Lecturer**, Department of Chemistry, University of Toronto
1985-1988 **Teaching Assistant**, Department of Chemistry, University of Saskatchewan
1981-1985 **Instructor**, Department of Chemistry, Ain Shams University

BOARDS & EXTERNAL MEMBERSHIPS

2012-present **Member**, Provincial Task Force on Post-Secondary Education
2012-present **Board of Directors**, Three Oaks Innovations, Inc.
2012-present **Board of Directors**, Confederation Centre of the Arts
2011-present **Board of Governors**, University of Prince Edward Island
2011-present **Executive Member**, Atlantic Association of Universities
2011-present **Member**, Standing Committee on International Relations, Association of Universities and Colleges of Canada
2011-present **Board of Governors**, Holland College
2011-present **Order of PEI Advisory Council**
2011-present **Board of Directors**, PEI BioAlliance
2010 **Board of Directors**, Composite Research Network
2005-2010 **Board of Directors**, WestLink Innovation Network Ltd.
2006-2007 **Pacific Advisory Committee**, Natural Science and Engineering Research Council
2006 **Prairie Advisory Committee**, Natural Science and Engineering Research Council
2005-2006 **Board of Regents**, The University of Winnipeg
2001-2005 **Member**, Masters of Marriage and Family Institute, Aurora Family Therapy Centre Board
2001-2003 **Member**, The University of Winnipeg Board of Regents Negotiating Team
2001-2005 **Board of Directors**, Research and Education for Solutions to Violence and Abuse
2001-2003 **Chair, Executive Steering Committee**, Winnipeg Inner-City Research Alliances
2001-2003 **Member**, Premier's Economic Advisory Council, Task Force on Research
2001-2002 **Board of Directors**, WestLink Innovation Network Ltd.
2001-2002 **Member**, WestLink Membership and Governance Committee
1999-2002 **Treasurer**, Inorganic Division, Canadian Society for Chemistry
1998-2002 **Director of Chemical Education and Student Affairs**, Canadian Society for Chemistry
1998-2002 **Board of Directors**, Canadian Society for Chemistry
1998-2000 **Board of Regents**, The University of Winnipeg
1994-1995 **Past Chair**, The Chemical Institute of Canada, Manitoba Section
1993-1994 **Chair**, The Chemical Institute of Canada, Manitoba Section
1992-1993 **Program Chair**, The Chemical Institute of Canada, Manitoba Section

AWARDS & HONOURS

- 2012 **Honorary Visiting Professorship (Lifetime) in Science**
Jiangsu University, China
- 2011-2014 **Honorary Guest Professor**
Jinan University, Shandong, China
- 2000 **Manitoba Outstanding Chemist Award**
The Chemical Institute of Canada (Manitoba Local Section)
- 1997 **Fellow of The Chemical Institute of Canada**
- 1994 **The Erica & Arnold Rogers Award for Excellence in Research and Scholarship**
The University of Winnipeg
- 1994 **CSC/IUPAC International Travel Award**
- 1992 **The Clifford J. Robson Memorial Award for Excellence in Teaching**
The University of Winnipeg
- 1992 **Ichikizaki Travel Award for Young Chemists**
The Chemical Institute of Canada
- 1990 **NSERC Postdoctoral Fellowship**
University of Toronto (Department of Chemistry)
- 1988 **Taube Medal for Most Outstanding Graduate Student**
Department of Chemistry, University of Saskatchewan
(Presented by Nobel Laureate Professor Henry Taube)

RESEARCH FUNDING

Total research funding including current research grants: **\$10,394,469**

PUBLICATIONS

A total of **148 publications**, including the following recent examples:

A.S. Abd-El-Aziz, S. Dalgakiran, I. Kucukkaya, B. D. Wagner "Synthesis, Electrochemistry And Fluorescence Behaviour Of Thiophene Derivatives Decorated With Coumarin, Pyrene And Naphthalene Moieties" *Electrochimica Acta*, **89**, 445– 453 (2013)

A.S. Abd-El-Aziz, S. Sezgin Dalgakiran "Electropolymerization and Impedance Spectroscopic Characterization of Thiophene Derivatives with η^6 -aryl- η^5 -cyclopentadienyliron hexafluorophosphates" *J. Inorg. Organomet. Polym. Mater.*, **23**, 126-135 (2013) (Invited)

A.S. Abd-El-Aziz, E.A. Strohm, "Transition Metal-Containing Macromolecules: En Route to New Functional Materials" *Polymer*, **53**, 4879-4921 (2012) (Invited Feature Article)

A.S. Abd-El-Aziz, S. Sezgin Dalgakiran, L. Bichler "Novel Synthesis and Electropolymerization of Metallo-Conjugated Thiophene Derivatives", *Eur. Polym. J.*, **48**, 1901-1913 (2012)

A.S. Abd-El-Aziz, D.J. Winram, P.O. Shipman, C.L. Rock, M.S. Vandel, B.O. Patrick, " Post-Modification of Organoiron Poly(alkynyl methacrylate)s with Dicobalt Hexacarbonyl", *Macromol. Chem. Phys.*, **213**, 2136-2145 (2012)

PUBLICATIONS (continued)

A.S. Abd-El-Aziz and S. Sezgin Dalgakiran, "Metal-Containing Macromolecules" Matyjaszewski K and Möller M (eds.) *Polymer Science: A Comprehensive Reference*, Amsterdam: Elsevier BV, Vol 5, 637-688 (2012) (Invited)

B.Z. Momeni, M. Rashidi, M.M. Jafari, B.O. Patrick, A.S. Abd-El-Aziz, "Oxidative addition of some mono, di or tetra haloalkanes to organoplatinum(II) complexes" *J. Organomet. Chem.* **700**, 83-92 (2012)

A.S. Abd-El-Aziz, D.J. Winram, P.O. Shipman, S. Sezgin, P. Shipley^a, L. Bichler^b and B. Patrick; "Micro and Nano-Sized Polysiloxanes Containing Organoiron Moieties" *New J. Chem.*, **35**, 2341-2348 (2011) (Invited)

A.S. Abd-El-Aziz, D.J. Winram and P.O. Shipman and L. Bichler. "Polynorbornenes Containing Ferrocene Derivatives and Alkyne-bis(tricarbonylcobalt)", *Macromol. Rapid Commun.*, **31**, 1992-1997 (2010)

A.M. Youssef, E.G. Neeland, E.B. Villanueva, M.S. White, I.M. El-Ashmawy, B. Patrick, A. Klegeris and Alaa S. Abd-El-Aziz. "Synthesis and Biological Evaluation of Novel Pyrazole Compounds", *bioorg. med. Chem.*, **18**, 5685-5696 (2010)

A.S. Abd-El-Aziz, P.O. Shipman, B.N. Boden and W.S. McNeil. "Synthetic Methodologies and Properties of Organometallic and Coordination Macromolecules", *Prog. Polym. Sci.*, **35**, 714-836 (2010) (Invited)

A.S. Abd-El-Aziz, P.O. Shipman and P.R. Shipley. "Design of Organoiron Macromolecules based on Upper Rim Functionalized Calix[4]arene", *Macromol. Rapid Commun.*, **31**, 459-466 (2010)

K.M. Smith, W.S. McNeil, A.S. Abd-El-Aziz. "Organometallic-Mediated Radical Polymerization: Developing Well-Defined Complexes for Reversible Transition Metal-Alkyl Bond Homolysis", *Macromol. Chem. Phys.*, **210**, 10-16 (2010)

PATENTS

A.S. Abd-El-Aziz, C.R. de Denus and L.J. May. "Cyclic Aryl Ethers, Thioethers and Amines, and Method for Preparation", Canadian Patent No. 2,259,721 (2005)

A.S. Abd-El-Aziz, C.R. de Denus and L.J. May. "Cyclic Aryl Ethers, Thioethers and Amines, and Method for Preparation", United States Patent No. 6,072,054 (2000)

BOOKS AND BOOK CHAPTERS AUTHORED AND EDITED

A total of **24 books and book chapters authored and edited**, including the following recent examples:

"Metal-Containing Macromolecules", *Polymer Science: Comprehensive Reference*, Vol 5, pp.637-688, A.S. Abd-El-Aziz and S.Dalgakiran, Elsevier BV, Amsterdam (2012) (invited)

Molecular Design and Applications of Photofunctional Polymers and Materials, Wai-Yeung Wong and A.S. Abd-El-Aziz, eds., RSC Publishing, Cambridge, UK (2012)

BOOKS AND BOOK CHAPTERS AUTHORED AND EDITED (continued)

Macromolecules Containing Metal and Metal-like Elements, Vol 10, A.S. Abd-El-Aziz, C.E. Carraher Jr., P.D. Harvey, C.U. Pittman Jr. and M. Zeldin, Editors, Wiley-Interscience, John Wiley and Sons, Inc., Hoboken, New Jersey (2010) [Co-editor of 10 volume book series between 2003-2010]

EDITORIAL POSITIONS & INTERNATIONAL ADVISORY BOARDS

Editor, Journal of Inorganic and Organometallic Polymers and Materials (2006-present)

Honorary Editor, Advanced Materials Letters (2010-present)

Editorial Board, Materials Sciences and Applications (2010-present)

Editorial Board, Royal Society for Chemistry, Polymer Chemistry Series (2010-present)

Associate Editor, Research Letters in Physical Chemistry (2007-2009)

Editorial Board, Macromolecules: An Indian Journal (2006-present)

Editorial Board, International Journal of Applied Chemistry (2005-present)

Editorial Board, Macromolecular Rapid Communications (2003-present)

Editorial Board, Macromolecular Chemistry and Physics (2003-present)

Associate Editor, Journal of Inorganic and Organometallic Polymers and Materials (2003-2005)

RESEARCH PROPOSAL REVIEWER

Natural Sciences and Engineering Research Council of Canada (NSERC)

American Chemical Society Petroleum Research Funds (ACS-PRF)

The Killam Research Fellowship, The Canada Council for the Arts

Canada Research Chairs (CRC)

Canadian Foundation for Innovation (CFI)

Foundation for Polish Science

GRADUATE STUDENT SUPERVISION

Supervisor of **34 graduate students** (including 7 in progress)

UNDERGRADUATE THESIS STUDENT SUPERVISION

Supervisor of **39 undergraduate thesis students**