

Curriculum Vitae (condensed)

Alaa S. Abd-El-Aziz, Ph.D., FCIC

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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

2007-2016 **Provost**, University of British Columbia Okanagan
2006-2007 **Associate Vice-President and Chief Operating Officer, Academic & Research**,
University of British Columbia Okanagan
2004-2006 **Vice-President, Research, International and External Affairs**,
University of Winnipeg
2005-2006 **Acting Vice-President Academic**, University of Winnipeg
2001-2004 **Associate Vice-President Academic, Research and Graduate Studies**,
University of Winnipeg
2000-2001 **Dean of Science**, University of Winnipeg
1998-2000 **Chair**, Department of Chemistry, University of Winnipeg
1995-1996 **Acting Chair**, Department of Chemistry, University of Winnipeg
1994-1995 **Co-op Coordinator**, Department of Chemistry, University of Winnipeg

ACADEMIC POSITIONS

2006-present **Professor**, Department of Chemistry, University of British Columbia Okanagan
2006-2009 **Adjunct Professor**, Department of Chemistry, 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, University of Winnipeg
1993-1997 **Associate Professor**, Department of Chemistry, University of Winnipeg
1990-1993 **Assistant Professor**, Department of Chemistry, 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 AND EXTERNAL MEMBERSHIPS

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 , University of Winnipeg
2001-2005	Member , Masters of Marriage and Family Institute, Aurora Family Therapy Centre Board
2001-2003	Member , 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 , University of Winnipeg
1994-1995	Past Chair , Chemical Institute of Canada, Manitoba Section
1993-1994	Chair , Chemical Institute of Canada, Manitoba Section
1992-1993	Program Chair , Chemical Institute of Canada, Manitoba Section

SCHOLARLY AND PROFESSIONAL ACTIVITIES (2000 – present)

2011	Co-chair , 1 st International Congress on Advanced Materials, Jinan, Shandong, China
2010	Co-organizer , “Electron Transfer and Electrochemistry of Transition Metal Containing Inorganic and Organometallic Materials”, Pacificchem, Hawaii
2008	Reviewer , Office of Research Services, University of Lethbridge
2007	Chair , 90 th Conference of the Canadian Society for Chemistry, Winnipeg, Manitoba
2006	Co-organizer , “Electroactive and Photoresponsive Metal-Containing Polymers”, 232 nd ACS National Meeting, San Francisco, California
2005	Co-organizer , “Transition Metal-Containing Polymers and Dendrimers”, Pacificchem, Hawaii
2005	Co-organizer , “International Symposium on Advances in Organometallic Polymers”, 230 th ACS National Meeting, Washington, DC
2005	Organizer , Macromolecular Science and Engineering Division, 88 th Conference of the Canadian Society for Chemistry, Saskatoon, Saskatchewan
2005	Co-organizer , “Metal-Containing Polymers and Macrocycles Symposium”, 88 th Conference of the Canadian Society for Chemistry, Saskatoon, Saskatchewan
2004	Co-organizer , “Organometallic and Coordination Clusters and Polymers: Syntheses and Applications Symposium”, 87 th Conference of the Canadian Society for Chemistry, London, Ontario
2003	Co-organizer , “Metal-Containing Macromolecules Sessions”, 39 th IUPAC Congress and 86 th Conference of the Canadian Society for Chemistry, Ottawa, Ontario
2002-2003	Member , Premier's Economic Advisory Council, Winnipeg, Manitoba
2002	Organizer and Chair , “Organoiron Polymers Sessions”, 223 rd American Chemical Society Meeting, Orlando, Florida

- 2002 **Consultant**, (to) the Ontario Council on Graduate Studies Appraisal Committee for Ottawa-Carleton Chemistry Institute
- 2002 **Member**, Selection Committee for the Chemical Institute of Canada “Bayer Inc. Award for High School Chemistry Teachers”
- 2002 **Member**, Selection Committee for the Chemical Institute of Canada “Union Carbide Award for Chemical Education”
- 2002 **Member**, Selection Committee for the Canadian Society for Chemistry “Alfred Bader Scholarship”
- 2001 **Member**, Canadian Society for Chemistry Accreditation Review Committee, Department of Chemistry, Lakehead University

AWARDS AND HONOURS

- 2000 **Manitoba Outstanding Chemist Award**, 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**
- 1993 **Award of Merit** for service as Coordinator of National Chemistry Week for the Manitoba Local Section, The Chemical Institute of Canada
- 1992-1993 **Merit Award**, The University of Winnipeg
- 1992 **The Clifford J. Robson Memorial Award for Excellence in Teaching**, University of Winnipeg
- 1992 **Ichikizaki Travel Award for Young Chemists**, Chemical Institute of Canada
- 1991-1992 **Merit Award**, University of Winnipeg
- 1990 **NSERC Postdoctoral Fellowship**, Department of Chemistry, University of Toronto
- 1988 **Taube Medal** for Most Outstanding Graduate Student, Department of Chemistry, University of Saskatchewan (Presented by Nobel Laureate Professor Henry Taube)

CURRENT ADMINISTRATIVE RESPONSIBILITIES AT UBC

- **Chair**, Academic Council, University of British Columbia Okanagan, 2006 – present
(Members: Associate Vice-President Learning Services; Deans; Associate Deans; Program Directors; Director Human Resources; Director, Student Recruitment and Advising; Director, Sustainability Operation)
- **Chair**, Deans’ Council, University of British Columbia Okanagan, 2007 – present
- (Members: Dean of the Faculty of Arts and Sciences; Dean of Faculty of Creative and Critical Studies; Dean of the Faculty of Education; Dean of the Faculty of Health and Social Development; Dean of the Faculty of Management; Dean of the Faculty of Applied Science; Dean of the College of Graduate Studies; Regional Associate Dean, Interior, Faculty of Medicine & Associate Vice-Provost, Medical Sciences Okanagan)
- **Member**, Senior Executive Committee, University of British Columbia Okanagan, 2006 – present
- **Member**, Deputy Vice Chancellor’s Executive Committee, University of British Columbia Okanagan, 2006– present
- **Chair**, Award for Excellence in Research and/or Creative Scholarly Activity Committee, University of British Columbia Okanagan, 2009 – present
- **Chair**, Provost’s Award for Public Education through Media Committee, University of British Columbia Okanagan, 2009 – present
- **Chair**, Director Okanagan Sustainability Institute Selection Committee, University of British Columbia Okanagan, 2009 – present

- **Chair**, Dean of the Faculty of Creative and Critical Studies Selection Committee, University of British Columbia Okanagan, 2010 – present
- **Chair**, Dean of the College of Graduate Studies Selection Committee, University of British Columbia Okanagan, 2010 – present
- **Chair**, Strategic Planning Committee, University of British Columbia Okanagan, 2009-present
- **Co-Chair**, Academic Space Committee, 2009 – present
- **Chair**, Director of Interdisciplinary Graduate Studies Selection Committee, University of British Columbia Okanagan, 2009 – present
- **Co-Chair**, SEM Steering Committee, University of British Columbia Okanagan, 2009 – present
- **Member**, Council of Senates, University of British Columbia, 2009 – present
- **Member**, Okanagan Senate Academic Policy Committee, University of British Columbia Okanagan, 2009 – present
- **Member**, Strategic Enrolment Planning (SEM) Council, University of British Columbia, 2009 – present
- **Chair**, Okanagan Sustainability Working Group, University of British Columbia Okanagan, 2008 – present
- **Co-Chair**, Okanagan Focus on People Working Group, University of British Columbia Okanagan, 2008 – present
- **Member**, President’s Steering Committee on Focus on People, University of British Columbia, 2008 – present
- **Member**, President’s Advisory Council on Sustainability, University of British Columbia, 2008 – present
- **Chair**, Award for Teaching Excellence and Innovation Committee, University of British Columbia Okanagan, 2007 – present
- **Member**, Senate Curriculum Standing Committee, University of British Columbia Okanagan, 2007 – present
- **Member**, Senate Learning and Research Standing Committee, University of British Columbia Okanagan, 2007 – present
- **Member**, Senate Policy and Procedures Committee, University of British Columbia Okanagan 2007 – present
- **Chair**, Teaching Effectiveness Committee, University of British Columbia Okanagan, 2007 – present
- **Senate Member**, University of British Columbia Okanagan, 2007 – present

COURSES TAUGHT

University of British Columbia Okanagan: Polymer Chemistry, Fourth-year Honour Research Projects in Chemistry

University of Winnipeg: Introductory Chemistry, Organic Chemistry, Inorganic Chemistry I: Main Group Elements, Chemistry and Society, Inorganic Chemistry II: Coordination and Organometallic Chemistry, Polymer Chemistry, Organometallic Chemistry, Research Projects in Chemistry

University of Manitoba: Organometallic Chemistry, Topics in Inorganic Chemistry

University of Toronto: General Chemistry (1st year)

CURRENT RESEARCH INTERESTS

- Development of new synthetic methodologies for organic and organometallic polymers
- Electrochemical studies of organometallic oligomeric and polymeric materials
- Investigation of structural variations on the thermal properties of polymers
- The role of different metals in changing the reactivities of substituted benzenes toward nucleophilic aromatic substitution and addition reactions
- Degradation of organic contaminants

RESEARCH FUNDING

Granting agencies (including NSERC, Canada Foundation for Innovation, American Chemical Society-Petroleum Research Funds, and Manitoba Hydro and Western Economic Diversification) have provided funding for research and collaborative projects in excess of \$10 million.

RESEARCH SUPERVISION

13 Visiting Professors, Postdoctoral Fellows and Research Associates (1996 – 2010)

Three PhD students, six MSc students and one fourth-year honour project student (current)

10 PhD and 12 MSc students (1991 – 2010)

38 Fourth-year project students (1990 – 2010)

PUBLICATIONS AND PRESENTATIONS

- 117 refereed articles in international journals
- 14 conference proceedings
- three patents
- nine book chapters
- author and editor of 14 books in the field of polymer chemistry
- 136 national and international conference presentations
- 47 invited lectures at national and international universities

THESIS EXTERNAL EXAMINER

9 PhD theses

INVITED BOOK REVIEWS

17 invited book reviews

EDITORIAL POSITIONS AND INTERNATIONAL ADVISORY BOARD

- Editor, Journal of Inorganic and Organometallic Polymers and Materials, 2006 – present
- Honorary Editor, Advanced Materials letters, 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

- International Journal of Applied Chemistry, 2005 – present
- Macromolecular Rapid Communications, 2003 – present
- Macromolecular Chemistry and Physics, 2003 – present
- Associate Editor, Journal of Inorganic and Organometallic Polymers and Materials, 2003 – 2005
- Journal of Inorganic and Organometallic Polymers (2002 – 2005)
- Guest Editor, “Transition Metal Coordinated Polymers”, Journal of Inorganic and Organometallic Polymers, 2000

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