

Gershom (Jan M.L.) Martin

Curriculum Vitae, September 2020

Personalia

- Born 1964 in Belgium. Immigrated to Israel 1996. Citizen of Belgium (by birth) and Israel (under the Law of Return).
- Married to Wendy S. Gardner, one daughter (Aviva)
- Home address: 3 Eisenberg Street #100, 7629206 Rehovot, Israel
- Office address: Department of Organic Chemistry, Kimmelman Building 361, Weizmann Institute of Science, 7610001 Rehovot, Israel
- Office phone: +972 8 934 2533. FAX: +972 8 934 3029
- Email: gershom@weizmann.ac.il Website: <http://www.compchem.me>

Author Identifiers and Citation Metrics

- author name for scholarly publications: Jan M. L. Martin
- **h-index: 76** (Web of Knowledge), **83** (Google Scholar)
- Citations:
 - Web of Knowledge: over 21,000 to indexed items, 500+ software & book chapters
 - Google Scholar: over 25,500
- ResearcherID/Publons: A-7457-2008
- OrcID: <http://orcid.org/0000-0002-0005-5074>
- Scopus: 7501555114
- Google Scholar: ZJUBZ1gAAAAJ

Career History

- Full Professor ("professor min ha-minyan"), Department of Organic Chemistry, Weizmann Institute of Science, Rehovot, Israel, October 2005-present. (On leave of absence August 2010-July 2012.) Incumbent of the Baroness Thatcher Professorial Chair in Chemistry
- Distinguished University Research Professor, Center for Advanced Scientific Computing and Modeling (CASCaM), University of North Texas, August 2010-July 2012.
- Visiting Professor (Sabbatical) with Prof. George C. Schatz, Department of Chemistry, Northwestern University, August 2007-July 2008
- Associate Professor ("professor haver") with tenure, Department of Organic Chemistry, Weizmann Institute of Science, Rehovot, Israel, October 2001--September 2005.
- Assistant Professor ("hoqer bakhir"), Department of Organic Chemistry, Weizmann Institute of Science, Rehovot, Israel, October 1996-September 2001. Incumbent of the Helen and Milton A. Kimmelman Career Development Chair.
- Senior Research Associate ("Onderzoeksleider", a tenured research-only faculty position) with the National Science Foundation of Belgium (Nationall Fonds voor Wetenschappelijk Onderzoek/Fonds National de Recherche Scientifique), 1995-September 1999. On leave of absence October 1996-September 1999.
- NFWO/FNRS Postdoctoral researcher ("Postdoctoraal onderzoeker"), 1991-1995. On paid postdoctoral leave in the USA 1992-1993.
- NFWO/FNRS Doctoral fellow ("Aspirant"), 1987-1991.

Education

- Habilitation (Aggregatie voor het Hoger Onderwijs/Agrégation pour l'Enseignement Supérieur), University of Antwerp, Belgium, November 1994. [UMI ProQuest Dissertations 9532332]
- Postdoctoral Work in the USA with Dr. Timothy J. Lee (NASA Ames Research Center, Moffett Field, CA) and Prof. Peter R. Taylor (NASA Ames Research Center and University of California, San Diego), 1992-1993.
- Doctorate (Ph.D.) in Chemistry, University of Antwerp, Belgium, *summa cum laude et laudatur* ("met de grootste onderscheiding en de gelukwensen van de jury", highest possible grade in Belgium), February 1991. [UMI ProQuest Dissertations 9129654]
- Licentiate (combined B.Sc./M.Sc. degree) in Chemistry, University of Antwerp, Belgium, July 1987

Academic and Scholastic Honors

- 2020-Present: Fellow of the Royal Society of Chemistry
- 2014-Present: IUPAC Fellow, International Union of Pure and Applied Chemistry
- 2012-Present: Foreign Member, Royal Academy of Sciences, Literature and the Fine Arts, Belgium
- 2008 Wolgin Prize for Scientific Excellence, Weizmann Institute of Science.
- 2004 Dirac Medal of WATOC (World Association of Theoretic and Computational Chemists), 2004.
- 2001 Prize of the Scientific Council in Chemical Sciences (pras ha-mo`atza ha-mada`it le-mad`ei ha-khimia), Weizmann Institute of Science, 2001.
- 2000 Outstanding Young Scientist Award (pras la-mad`an ha-tza`ir ha-mitztayen) of the Israel Chemical Society.
- 1996 Alumni Award of the Belgian-American Educational Foundation (Fondation Universitaire/Universitaire Stichting).
- 1996-1999 Yigal Allon Fellow, Council for Higher Education (Israel)
- 1994 University of Antwerp Bi-Annual Research Prize
- 1992 Prize for Scientific Treatises of the Royal Academy of Sciences, Literature, and Fine Arts (Belgium)
- 1992 Postdoctoral fellowships: Fulbright-Hays Travel Grant, NATO Travel Grant, and National Research Council (USA, declined by recipient due to cumulation restrictions with NFWO/FNRS appointment)
- 1991 Jean-Servais Stas prize of the Royal Academy of Sciences, Literature, and Fine Arts (Belgium).
- 1990 Second prize in "DSM-contest for Chemistry and Technology", Geleen, The Netherlands.
- 1987 Essochem-prize for chemistry students.

Administrative Duties

- Member of the Tenure and Promotion Committee (V12), Weizmann Institute of Science, since 2018.
- Member of the Faculty of Chemistry HPC User Committee, since 2019.
- Senior Advisor to the President for Information Systems, Weizmann Institute of Science, July 2008-July 2010.

- Member of the Teaching Board, Faculty of Chemistry, Weizmann Institute of Science, 2004-2010.
- Chairman of the Weizmann Institute Library Committee, 2004-2008; member, 2001-2008.
- Member of the Steering Committee of the Weizmann Institute Computing Center, 2000-2007.
- Member of Feinberg Graduate School Approval Board for Ph.D. Dissertations (va`adat ha-tezot), Academic Years 2001-2004.
- Co-Organizer (with Michael Elbaum) of the Faculty of Chemistry Colloquium, 2004-2005.
- Webmaster for Faculty of Chemistry and for Department of Organic Chemistry, 1998-2010.
- Weizmann Institute representative in Steering Committee of High-Performance Computing Unit of the Israel Interuniversity Computing Center, 2000-2007.

Scientific Community Service

- Chair of ERC Consolidator Grants panel PE4, since 2016; member since 2014
- Chair, Physical Sciences grant allocation panel, VIHREN (“Vortex”) program for research excellence, Bulgarian Academy of Sciences, 2019.
- Member of the editorial board of *Theoretical Chemistry Accounts*, since 2007
- Member of ICREA (Catalan Institution for Research and Advanced Studies) Research Professors Evaluation panel, 2017
- Chair of the Organizing Committee, the 72nd Annual Meeting of the Israel Chemical Society
- Member of the editorial board of *Spectrochimica Acta A: Molecular Spectroscopy*, 2002-2012.
- Frequent reviewer for journals such as *Journal of Chemical Physics*, *Journal of Chemical Theory and Computation*, *Journal of Physical Chemistry A*, *Journal of Computational Chemistry*, *Chemical Physics Letters*, *Molecular Physics*, *Computational and Theoretical Chemistry*, *JACS*, *Organometallics*, *SCIENCE*, and several others.
- External reviewer of proposals for several domestic and foreign science funding agencies.
- Member of grant evaluation panels for several foreign science funding agencies.
- Member of IUPAC Task Group Selected Free Radicals and Critical Intermediates: Thermodynamic Properties from Theory and Experiment (2000-2003, renewed 2004-2006).

Teaching

- Scientific Writing, Feinberg Graduate School, Weizmann Institute of Science (2005-2010 and again 2013-present)
- Physical Chemistry I, upper undergraduate level (UNT)
- General Chemistry, freshman level (UNT)
- Applied Quantum Chemistry, graduate level (Weizmann and UNT)
- Mathematics for Chemists (Weizmann)

Present Positions of Selected Group Alumni

- A. Daniel Boese (postdoc): full professor, Karl Franzens-University, Graz, Austria

- Amir Karton (MSc, PhD): associate professor with tenure, University of Western Australia, Perth, Australia
- Sebastian Kozuch (postdoc): associate professor with tenure, Ben-Gurion University of the Negev (BGU), Be'er-Sheva, Israel
- Kim Baldridge (Fulbright scholar): full professor, U. of Zürich, Switzerland, and Tianjin University, China
- Glênisson de Oliveira (postdoc): Dean of the Texas Academy of Mathematics and Sciences <http://tams.unt.edu> (the gifted student program of the University of North Texas)
- Mark A. Iron (Ph.D.): senior staff scientist, Weizmann Institute of Science
- Srinivasan Parthiban (postdoc): CEO, Parthys Reverse Informatics Analytics Solutions, Chennai (Madras), India Weizmann Institute of Science (2005-2010 and again 2013-present)

Scholarly Affiliations

- Fellow of the Royal Society of Chemistry (FRSC, since 2020)
- Foreign Member, Royal Academy of Sciences, Literature, and Fine Arts, Belgium (since 2012)
- member *ad personam*, Lise Meitner-Minerva Center for Computational Quantum Chemistry
- member, Helen and Martin Kimmel Center for Molecular Design (Weizmann Institute of Science)
- American Chemical Society (since 1992)
- World Association of Theoretical and Computational Chemists (WATOC), life member
- member, Israel Chemical Society
- past member of the American Physical Society

Scholarly Avocations

- Linguistics and EFL/EAP teaching (English as a Foreign Language/English for Academic Purposes)
- Science of Music
- History
- Creative writing

Other Professional Skills

Languages

According to the **US Foreign Service Institute scale**: S-1=survival; S-2=basic working knowledge; S-3=professional working knowledge; S-4=full professional proficiency; S-5=Native speaker or equivalent proficiency.

	Listening	Speaking	Reading	Writing
Dutch (Nederlands)	L-5	S-5	R-5	W-5
English	L-5	S-5	R-5	W-5
Hebrew (Ivrit)	L-4 ⁺	S-4	R-3	W-2
French (français)	L-4	S-3	R-4	W-2
German (Deutsch)	L-4	S-2	R-4	W-2

Some passive knowledge of Italian, Latin, Spanish, and Yiddish.

CEFR European Language Levels ([more info](#)):

	Listening	Reading	Spoken interaction	Spoken production (lecturing,...)	Writing
Dutch (Nederlands)	native (C2)	native (C2)	native (C2)	native (C2)	native (C2)
English	C2	C2	C2	C2	C2
Hebrew (Ivrit)	C2	B1	C1	C1	B1
French (français)	C1	B2	B2	B2	B2
German (Deutsch)	C1	C1	B1	B1	B1

B1-level reading for Italian; A2-level reading for several additional languages.

Computing

- experienced Fortran programmer; notions of other programming languages
- systems administration: Linux, Mac OS X
- Linux cluster computing
- Web technologies
- scientific typesetting

Public Outreach

- Lectures on "The Library in the Digital Age" and "Information Management for Scientists" to audiences of academic librarians
- Lectures on the "Science of Music" to general audiences
- Longtime moderator of Isramac (Israeli Macintosh Users mailing list) on Yahoo Groups