

# Gershom (Jan M.L.) Martin FRSC

## Curriculum vitae, October 9, 2025

### Personalia

- Born 1964 in Belgium. Immigrated to Israel 1996.
- Citizenship: Belgium (by birth), Israel (under the Law of Return).
- Married to Wendy S. Gardner (US citizen), since 1993. One daughter (Aviva), born 1995.
- Home address: 3 Eisenberg Street #100, 7629206 Rehovot, Israel
- Office address: Department of Molecular Chemistry and Materials Science, Weizmann Institute of Science, Kimmelman Building, Room 361, 7610001 Rehovot, Israel
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### Author Identifiers and Citation Metrics (as Jan M. L. Martin)

- **Web of Science: h-index=86**; Citations: **29,088** (indexed articles only), over 29,600 (including book chapters and software)
- **Google Scholar: h-index=98**; Citations: over **39,000**
- ResearcherID: [A-7457-2008](https://orcid.org/0000-0002-0005-5074)
- OrcID: <http://orcid.org/0000-0002-0005-5074>
- Scopus ID: [7501555114](https://orcid.org/0000-0002-0005-5074)
- Google Scholar ID: [ZJUBZ1gAAAAJ](https://orcid.org/0000-0002-0005-5074)

### Career History

- Visiting Professor (Sabbatical) with Prof. John F. Stanton (RIP), Quantum Theory Project, University of Florida, January-May 2024 and again February-June 2025. Adjunct Member, Quantum Theory Project, since 2025.
- Full Professor, Department of Molecular Chemistry and Materials Science (formerly: 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 with tenure, Department of Organic Chemistry, Weizmann Institute of Science, Rehovot, Israel, October 2001–September 2005.
- Assistant Professor, 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 PI position) with the National Science Foundation of Belgium (Nationaal 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, *summa cum laude* ("met de grootste onderscheiding")

## Academic and Scholastic Honors

- 2025: Elected member of the [International Academy of Quantum Molecular Science](#)
- 2024: "Milestones in Chemistry, Milestones in Life" 60<sup>th</sup> birthday symposium, Weizmann Institute of Science, December 4, 2024. [Initiative by Drs. Mark A. Iron and Margarita Shepelenko. Speakers from four continents.]
- 2023: [Schrödinger Medal](#) of WATOC (World Association of Theoretical and Computational Chemists) for the "outstanding theoretical and computational chemist".
- 2020: Fellow of the Royal Society of Chemistry (FRSC)
- 2017: [Israel Chemical Society Prize for Excellence](#)
- 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 Theoretical and Computational Chemists) for "the outstanding theoretical chemist in the world under the age of 40".
- 2001 Prize of the Scientific Council (פרס המועצה המדעית למדעי הכימיה), Weizmann Institute of Science.
- 2000 [Outstanding Young Scientist Award](#) (פרס למדען הצעיר המצטיין) of the Israel Chemical Society.
- 1996 [Alumni Award](#) of the [Belgian-American Educational Foundation](#) (Fondation Universitaire/Universitaire Stichting). One award in chemistry every 5 years.
- 1996-1999 Yigal Allon Fellow, Council for Higher Education (Israel)
- 1996 Lady Davis Fellowship, Hebrew U. of Jerusalem (host: Prof. Chava Lifshitz z"l).
- 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 for Ph.D. Theses, Royal Academy of Sciences, Literature, and Fine Arts (Belgium).
- 1990 2nd prize in "DSM-contest for Chemistry and Technology", Geleen, The Netherlands.
- 1987 Essochem-prize for chemistry students.

## Commissions of Trust

- Member of the Weizmann Institute “Committee of 12” (institute-wide faculty tenure and promotion evaluation committee), 2018-2021. (Term limits reached.)
- Member, European Research Council (ERC) Advanced Grants panel AdG:PE-4 (physical and analytical chemistry), 2020. (ERC term limits reached.)
- Chair, ERC Consolidator Grants panel CoG:PE-4, 2016 and 2018.
- Member, same ERC panel CoG:PE-4, 2014.
- Member of Research Professors evaluation panel, ICREA (Catalan Institution for Research and Advanced Studies), 2017.
- Chair of Physical Sciences evaluation panel, VIHREN (“Vortex”) program for research excellence, Bulgarian Academy of Sciences, 2019.

## Other Administrative Duties

- Head of the [Ben May Center for Chemical Theory and Computation](#), Weizmann Institute of Science, effective October 1, 2025.
- Head of the Helen and Martin Kimmel Center for Molecular Design, 2023-2025.
- Member of the Faculty of Chemistry HPC User Committee, since 2019.
- Senior Advisor to the President for Information Systems (i.e., joint CIO with my administrative counterpart), WIS, July 2008-July 2010.
- Member of the Steering Committee of the WIS Computing Center, 2000-2007.
- Weizmann Institute representative in Steering Committee of High-Performance Computing Unit (HPCU) of the Israel Interuniversity Computing Center, 2000-2007.
- Member of the Teaching Board, Faculty of Chemistry, WIS, 2004-2010.
- Chair of the WIS Library Committee, 2004-2008; member, 2001-2008.
- Member of Feinberg Graduate School Approval Board for Ph.D. Dissertations, 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.

## Scientific Community Service

- Senior Editor of the JOURNAL OF PHYSICAL CHEMISTRY A starting November 2025
- Member of the Nomination Panel for the VinFuture Prize, since 2023.
- Member of ad hoc grant evaluation panels for several foreign science funding agencies.
- External reviewer of proposals for several domestic and foreign science funding agencies.
- Member of several *ad hoc* tenure and promotion committees for Israeli and foreign universities.
- Member of the Editorial Board of JOURNAL OF PHYSICAL CHEMISTRY A since 2019
- Member of the Editorial Board of MOLECULES since 2018
- Member of the Editorial Board of [Theoretical Chemistry Accounts](#), since 2007
- 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, PCCP, Chemical Physics Letters, Molecular Physics, Computational and Theoretical Chemistry, JACS, Organometallics, SCIENCE, NATURE, et al.
- Chairman of the Organizing Committee, the [72nd Annual Meeting of the Israel Chemical Society \(2007\)](#).
- 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 (FGS), Weizmann Institute of Science (2005–2010 and 2013–present).
- The Chemical Bond: A Computational Perspective, FGS, 2022 and 2024
- 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): full professor, University of New England, NSW, Australia
- Sebastian Kozuch (postdoc): full professor, Ben-Gurion University of the Negev, Beersheba, Israel.
- Kim Baldrige (Fulbright scholar): full professor, U. of Zürich, Switzerland, and Tianjin University, China
- Glênisson de Oliveira (postdoc): Dean of TAMS (Texas Academy of Math and Sciences, the gifted student program of the University of North Texas. <http://tams.unt.edu>).
- Mark A. Iron (Ph.D.): senior staff scientist, Weizmann Institute of Science.
- Debashree Manna (postdoc): assistant professor, West Bengal U. of Technology, India
- Golokesh Santra (Ph.D.): presently postdoc, Max Planck Institute for Coal Research, Mülheim, Germany (in extended group of Frank Neese)
- Ashim Nandi (postdoc): presently postdoc with Aryeh Warshel (Nobel Prize in Chemistry 2013), University of Southern California
- Nitai Sylvestsky (Ph.D.): patent agent, US STEM practice group, Pearl Cohen (intellectual property law firm), New York and Tel-Aviv.
- Ambar Banerjee (postdoc): assistant professor, RISE (Research Institute for Sustainable Energy), Kolkata (Calcutta), India
- Ashim Nandi (postdoc): assistant professor, Indian Institutes of Technology, Goa.
- Nisha Mehta (postdoc): research fellow, University of Queensland, Brisbane, Australia.
- Srinivasan Parthiban (postdoc): CEO, Parthys Reverse Informatics Analytics Solutions, Chennai (Madras), India
- Brina Brauer (consultant): lecturer in physics and chemistry, Touro College, Jerusalem

## Scholarly Affiliations

- Fellow of the Royal Society of Chemistry (UK), since 2022
- member *ad personam*, [Lise Meitner-Minerva Center for Computational Quantum Chemistry](#), 2004-2018 (center disbanded due to funding term limits).
- founding member, [Helen and Martin Kimmel Center for Molecular Design](#) (Weizmann Institute of Science); chair since July 2023.
- Life Member, World Association of Theoretical and Computational Chemists ([WATOC](#))
- Member of the American Chemical Society (since 1992) and Israel Chemical Society (since 1996); past member of the American Physical Society

## 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" and on linguistic and historical subjects to general audiences

## Scholarly Avocations

- Linguistics and TEFL (Teaching English as a Foreign Language)
- Science of Music
- History

## Language Skills

According to the [US Foreign Service Institute scale](#): 1=survival; 2=basic working knowledge; 3=professional working knowledge; 4=full professional proficiency; 5=native speaker or functional equivalent

	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, עברית)	L-4+	S-4	R-3	W-2
French (français)	L-4	S-3	R-4	W-2
German (Deutsch)	L-4	S-3	R-4	W-2

Some passive knowledge of Italian, Spanish, and Yiddish. High-school Latin.

According to the [CEFR European Language Levels](#) scale:

Listening, Reading, Spoken Interaction, Spoken Production (lecturing), Writing

	Listening	Reading	Conversation	Lecturing	Writing
Dutch (Nederlands)	C2	C2	C2	C2	C2
English	C2	C2	C2	C2	C2
Hebrew (ivrit, עברית)	C2	B1	C1	C1	B1
French (français)	C1	C1	B2	B2	B2
German (Deutsch)	C1	C1+	B2	B1	B1

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