

# Marek Ilan

## Curriculum Vitae and List of Publications

Identification: 057819963

Date and Place of Birth: February, 15 1963, Haifa Israel

Family status: Married + three children

Citizenship: Israeli and French

Mailing Address: Schulich Faculty of Chemistry. Technion-Israel Institute of Technology. Haifa  
32000 Israel. Phone/Fax: (972)-4-8293709

### Academic Degrees

- 1995            Habilitation  
1988            Ph.D.- Thesis from Pierre et Marie Curie University, Paris, France.  
1986            M.Sc., Universite Pierre et Marie Curie, Paris, France.  
1982            BsC, Universite Pierre et Marie Curie, Paris, France.

### Academic Appointments

- 2019/10            Visiting Professor University of Ottawa, Canada  
2015/9-2015/10    Visiting Professor Osaka Prefecture University, Osaka, Japan  
2013/8-2013/10    Distinguished Moore Scholar Visiting Professor California Institute of  
Technology (CalTech), Pasadena, California  
2011/2-2011/3    Visiting professor at Ecole Nationale Superieure de Chimie de Montpellier,  
France  
2010/8-2010/9    Visiting Professor California Institute of Technology (CalTech), Pasadena,  
California  
2010/02            Visiting Professor Universite Paris-Descartes, Paris V, France  
2007/10            Visiting Professor Universite Louis Pasteur, Strasbourg, France  
2006/3-2006/7    Visiting Professor University de Montreal, Montreal, Quebec, Canada  
2005                Holder of a chair: *Sir Michael and Lady Sobell Academic Chair*

2004	Full Professor, Department of Chemistry, Technion-Israel Institute of Technology
2000	Associate Professor, Department of Chemistry, Technion-Israel Institute of Technology (tenured position)
1997	Senior Lecturer, Department of Chemistry, Technion-Israel Institute of Technology.
1994	Charge de recherche: First class at the CNRS (National Center for Scientific Research) Universite Pierre-et-Marie Curie, Paris, France (tenured position).
1990	Independant Research Position as Charge de recherche at the CNRS (National Center for Scientific Research). Universite Pierre-et-Marie Curie, Paris, France.
1989	Post-doctoral position in Professor Ghosez laboratory (Louvain-la-Neuve, Belgium)

## Research Interests

### *Synthetic Organic Chemistry*

My research group is primarily concerned with the design and development of new and efficient stereo- and enantioselective strategies that do not have precedence in classical organic chemistry for the synthesis of important complex molecular structures.

We are particularly interested in developing carbon-carbon bond forming processes, which efficiently create multiple stereocenters. We place a special emphasis on mechanistic investigation to give insight into the origins of chemo- and stereoselectivity of discovered processes. Deep understanding of reaction mechanisms governs our optimization work towards identifying the most efficient and general protocols and allows for expanding the scope of our methodologies.

### Results of Assessment of teaching abilities (based on 5 points)

Semester/year	Course	Registered/Answered	General Grade
2/2000	127728	5/19	4.89
1/2001	124808	28/23	4.74
2/2001	127729	21/18	4.94
1/2002	124808	32/20	4.15
1/2003	127728	19/4	4.71
2/2003	127109	31/8	3.94

1/2005	127729	42/34	3.68
1/2006	127727	34/27	4.54
2/2006	127728	20/3	4.05
1/2007	127729	19/4	4.32
2/2007	127732	3/1	4.68
1/2008	127727	15/3	4.14
2/2008	127728	17/6	4.60
1/2009	127729	19/2	4.64
2/2009	127727	17/8	4.71
1/2010	127729	23/10	4.31
2/2010	125801	142/49	4.03
1/2011	124708	101/67	4.39
2/2013	127729	10/10	4.80
1/2014	127738	35/21	4.72
2/2014	127727	24/15	4.71
1/2015	127738	17/6	4.76
2/2015	127729	20/7	4.94
1/2016	127738	26/12	4.86
2/2016	124801	53/84	4.65
2/2016	127738	4/15	4.82
2/2017	126700	14/6	4.67
1/2018	127738	25/15	4.69

### **Technion Activities**

2020 – 2022	Member of the Preparatory Technion's Committee for Dr. Honoris Causa
2019 – 2022	Chairman of the President's Committee for Prizes and Awards
2016	Member Harvey Professional Committee
2016 – 2020	Member of the Technion's Senate Standing Committee for the Appointment of Senior Staff and Tenure
2011 – 2015	Member of the Preparatory Technion's Committee for the Appointment of Senior Staff and Tenure
2015	Member Harvey Professional Committee
2013	Chairman Harvey Professional Committee

2011 – 2012	Member of the Teaching Committee, Department of Chemistry
2009 – 2013	Member of the Technion's patents committee
2012 – 2015	Coordinator of the colloquium at the Schulich Faculty of Chemistry
2007 – 2011	Member of the Technion's Prizes and Awards committee
2006 – present	Head of the Schulich committee for Academic affairs
2005 – 2006	Head of the Organic and Inorganic Department
2003 – 2004	Member of the Technion Committee for evaluation of Students
2003 – 2005	Member of the Teaching Committee, Department of Chemistry
2002 – 2003	In charge of the Safety of the Chemistry Department
1998 – 2002	Coordinator of the Seminars in Organic and Inorganic Chemistry

### **International Activities**

2016 – present	Member of the Rothschild Committee
2016 – present	Member of the Jury <i>Grand Prix de la Fondation de la Maison de la Chimie</i> , Paris. France
2013	Member of the Ecole Normale Supérieure (ENS) Chemistry Scientific Advisory Board
2012 - 2016	Member of Scientific Council for the development of Chemistry of the Institut of Natural Substances, Gif/Yvette. France
2012	Chairman evaluation committee Department of Chemistry, Cyprus
2012 – 2015	Elected President of the Division of Organic Chemistry of EuChemS (European Association for Chemical and Molecular Sciences)
2009 - 2011	Vice-President of the Division of Organic Chemistry of EuChemS
2009	Member of the evaluation committee University of Bordeaux, France
2007 - present	Israeli representative at the of the Division of Organic Chemistry of EuChemS
2007 - 2011	Israeli President of the Scientific commission of the France-Israel Foundation
2007 – 2009	President of the Scientific Committee of the European Symposium on Organic Chemistry (ESOC)
2005 - 2009	Member of the Scientific Advisory Board of the European Symposium on Organic Chemistry (ESOC)

### **Membership in Professional Societies**

Israel Chemical Society

American Chemical Society

### Editorial Advisory Board

- 2019 – present Member of the Editorial Board of *ACS Central Science*, (ACS)
- 2018 – present Member of the Editorial Advisory Board of *Chemical Reviews*, (ACS)
- 2016 – present Member of the Scientific Advisory Board of *Helvetica Chimica Acta*, WILEY-VCH
- 2014 – present Member of the Scientific Advisory Board of *Chemistry, A European Journal*, WILEY-VCH
- 2014 – present Member of the Scientific Advisory Board of *Angewandte Chemie, International Edition*, WILEY-VCH
- 2014 – present Member of the Scientific Advisory Board of *Synthesis*, Thieme
- 2014 – present Member of the Scientific Advisory Board of *Synlett*, Thieme
- 2011 – present Member of the Scientific Advisory Board of the *European Journal of Organic Chemistry*, WILEY-VCH
- 2011 – present Member of the Scientific Advisory Board of *The Chemical Record*, Wiley-VCH
- 2011 – present Member of the Scientific Advisory Board of *Advanced Synthesis and Catalysis*, Wiley-VCH
- 2007 – 2020 Member Advisory Board *Chemical Communications*, Royal Society of Chemistry (RSC).
- 2007 – present Member Advisory Board *Organic and Biomolecular Chemistry*, Royal Society of Chemistry (RSC)

### Editorial Board Members

- 2017 – present Associate Editor *Tetrahedron*, Elsevier
- 2017 – present Senior-editor of *The Patai's Chemistry of Functional Groups*, Wiley-Chichester
- 2009 - present Associate Editor of the *Israel Journal of Chemistry*, Wiley-VCH
- 2008 – present Associate Editor of *Beilstein Journal of Organic Chemistry*, Beilstein
- 2014 – 2017 Associate Editor of *The Patai's Chemistry of Functional Groups*, Wiley-Chichester
- 2011 Volume Editor of *Comprehensive Organic Synthesis*. Second edition. Elsevier
- 2010 - 2017 Volume Editor of *Science of Synthesis*, Thieme

**Awards and Honors**

2021	Arthur C. Cope Scholars Award by the American Chemical Society
2020	Adolf Lieben Lecturer 2020, Austrian Chemical Society
2019	Elected as Member of the Israel Academy of Sciences and Humanities
2019	Elected as excellent teacher (top 4% of the Technion, 1st semester)
2019 – 2024	ERC Advanced Research Grant
2018	President of the 53 <sup>rd</sup> Bürgenstock Conference on Stereochemistry
2017	Elected as Member of the French Academy of Sciences
2017	Taiwan National Science Council Visiting Scholar
2017	Vice-President of the 52 <sup>nd</sup> Bürgenstock Conference on Stereochemistry
2017	Basel Chemical Society Lecture, Basel, Switzerland February 2017
2016	The Yannai Award for Excellence in teaching
2016	Elected as excellent teacher (top 4% of the Technion, 2nd semester)
2016	European Journal of Chemistry Lectureship, Weimar, Germany
2016	Thieme Lectureship, Stuttgart, Germany
2015	SFB-guest professor Wilhelms-University Munster, Germany
2015	The 2015 Joseph and Patricia Vanderslice Lecturer, Boston College, MA,
2015	The Weizmann Prize for Exact Sciences
2015	17 <sup>th</sup> International Organic Chemistry Foundation Yoshida Lectureship, Japan
2014	Eli Lilly Lecturer, Urbana-Champaign, IL, USA
2014	Elected as excellent teacher (top 4% of the Technion, 1st semester)
2014	Elected as excellent teacher (top 4% of the Technion, 2nd semester)
2013 – 2018	ERC Advanced Research Grant
2013	Moore Distinguished Scholar Appointment, California Institute of Technology (CalTech), Pasadena
2012	Schulich Award for long-term excellence in Teaching
2012	Janssen Pharmaceutica Prize for Creativity in Organic Synthesis
2012	Israel Chemical Society Excellence Award
2011	Royal Society Chemistry Organometallic Award (UK)
2011	Taiwan National Science Council Visiting Scholar
2010	The German-Technion Society Award for Academic Excellence
2010	Schulich Prize for the Promotion of Extraordinary Academic Activities

- 2010 Fellow of the Royal Society of Chemistry (FRSC)
- 2009 The Henry Taub Prize for Academic Excellence
- 2007 Schulich Award for Excellence in Teaching
- 2005 Bessel Award of the Humboldt Foundation
- 2004 Merck Sharpe and Dohm Lecturer
- 2003 Prize for Excellent Young Chemist, The Israel Chemical Society
- 2002 Salomon Simon Mani Award for excellence in Teaching
- 2002 Michael Bruno Memorial Award 2002, Rothschild Foundation
- 2002 Elected as excellent teacher (top 5% of the Technion, 1st semester)
- 2000 Klein Award, Israel
- 2000 Yosefa and Leonid Allschwang award, (ISF), Israel
- 2000 Elected as excellent teacher (2nd semester)
- 1999 Elected as excellent teacher (2nd semester)
- 1998 Yigal Alon Fellowship
- 1998 Evelyn and Salman Grand Academic Lectureship-USA
- 1998 Henry Gutwirth Foundation award
- 1997 Japan Society for the Promotion of Science Visiting Professor Award
- 1997 Lawrence G. Horowitz Career Development Chair
- 1997 First French Chemical Society-Acros Price for young Organic Chemist