

Curriculum Vitae and List of Publications

PERSONAL DETAILS

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ACADEMIC DEGREES

1996-1997 Direct PhD program, Dept. of Organic Chemistry
and 1999-2003 The Weizmann Institute of Science, Rehovot, Israel.
1992-1995 B.Sc. degree in chemistry (cum laude), Tel-Aviv University,
Department of Chemistry, Tel-Aviv, Israel

ACADEMIC APPOINTMENTS

2020-present Full Professor, Schulich Faculty of Chemistry, Technion.
2012-2020 Associate Professor, Schulich Faculty of Chemistry, Technion-Israel
Institute of Technology.
2005-2012 Assistant Professor, Schulich Faculty of Chemistry, Technion-Israel
Institute of Technology.
2003-2005 Rothschild Postdoctoral Research Associate, Harvard University,
Cambridge, MA, USA

RESEARCH INTERESTS

Organic/Organometallic Chemistry. Catalysis.

Research interests encompass areas of organic and organometallic chemistry, design of novel metal-based systems with fundamentally and practically important properties with a main emphasis on their use in the development of new versatile efficient catalytic methods.

FELLOWSHIPS, AWARDS AND HONORS

1998 Award of Scientific Excellence, IDF
1999 Engineering Medal (TZALASH), IDF
2003 Rothschild Fellowship for postdoctoral studies
2005 Coleman-Cohen Academic Lectureship
2005 Fellow of the Caesarea Fund
2009 Alfred & Yehuda Weissman Award for Excellence in Teaching
2010 Junior Scientists Participation (JSP) Fellowship. "Burgenstock" Conference.
2011 Friedenberg Prize, Israel Academy of Sciences and Humanities
2012 The Gutwirth Award for Excellence in Research
2012 Henri Taub Award for Academic Excellence
2012 Technion Award for Excellence in Teaching (top 4% of lecturers)
2013 Schulich Prize for Excellence in Enhancing the Understanding of Chemistry
2014 Klein Prize for excellence in research
2014 Yanai Prize for Enhancing of Academic Education
2017 David Dodi Ben-Aharon Research Prize

2017 Hershel Rich Technion Innovation Award
 2017 Sanford Kaplan Prize
 2017 Joseph and Patricia Vanderslice Lecturer in Organic Chemistry (Boston College)
 2022 The Abramson Family Chair in Chemistry

TEACHING EXPERIENCE

1. Homogeneous Catalysis, graduate (new designed course in the Technion)
2. General Chemistry, undergraduate
3. Advanced Inorganic Chemistry, graduate and undergraduate
4. Organic Chemistry 1B, undergraduate
5. Organic Chemistry 2M, undergraduate
6. Organic Chemistry Laboratory 1, undergraduate
7. Organic Chemistry Laboratory 2, undergraduate
8. Seminars in Organic/Inorganic Chemistry, graduate
9. Research Projects in Chemistry, undergraduate
10. Organometallic Chemistry (Bar-Ilan University)
11. Organometallic Chemistry (Weizmann Institute of Science)

2016- Vice-Dean of Teaching Affairs, Schulich Faculty of Chemistry.

PUBLIC PROFESSIONAL ACTIVITIES

Reviewer for Nature Chem., Nature Commun., JACS, Angew. Chem., Chem. Sci., JOC, Org. Lett., Organometallics, Chem. Eur. J., etc.

Grants Reviewer for numerous granting agencies

Served as a member of national granting committees

Guest Editor of the Israel Journal of Chemistry, 2010.

Editor of two books (The Chemistry of Functional Groups, The Patai's series)

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Israel Chemical Society

American Chemical Society

Plenary, keynote or invited talks

1. The 73th Meeting of the Israel Chemical Society, Jerusalem, February 2008
2. Gordon Research Conference on Organometallic Chemistry, Newport, RI, July 2008
3. International Conference on Coordination Chemistry, Jerusalem, August 2008
4. International Conference of Chemistry, Moldova, May 2009
5. International Conference on Coordination Chemistry, Australia 2010
6. 2nd Young Investigator's Workshop, European Chemical Society, Regensburg, September 2010, Germany
7. 76th Meeting of the Israel Chemical Society, Tel-Aviv, February, 2011
8. 77th Meeting of the Israel Chemical Society, Tel-Aviv, February, 2012
9. European Chemistry and Molecular Studies (EuCheMS) Congress, August 2012, Prague
10. The XXV International Conference on Organometallic Chemistry, September 2012, Lisbon
11. Canadian Society for Chemistry conference, Symposium on: "Recent Developments in Pincer Chemistry and Multidentate Ligands", May 2013
13. 18th European Symposium on Organic Chemistry, July 2013 ("*Young Talented*" plenary lecture)
14. 79th Meeting of Israel Chemical Society, February 2014

15. International Conference on Coordination Chemistry (ICCC41), July 2014, Singapore
16. First International China-Israel Symposium on Homogeneous Catalysis, August 2014, Beijing
17. Joint Symposium Technion-ICIQ, February 2015, Tarragona
18. International Symposium on Synthesis and Catalysis, September 2015, Evora
19. Tetrahedron Symposium (Challenges in Bioorganic and Organic Chemistry), November 2015, Shanghai
20. 1st International Seminar for Young Chemists on Precisely Designed Catalysts, November 2016, Osaka, Japan
21. Gordon Research Conference on Organometallic Chemistry, Newport, RI, July 2018
21. 22nd International Symposium on Fluorine Chemistry, Oxford, July 2018
22. Symposium of the Israel Chemical Society, Tel Aviv, February, 2019
23. Schulich Symposium, Haifa, April, 2019
24. Japan-Israel conference on "Molecular Catalysis in the Service of Society", Haifa, November 2019
25. International Symposium of Organic Chemistry, Greece, September 2019
26. 20th Tetrahedron Symposium, Portugal, June 2022
27. 29th International Conference on Organometallic Chemistry (ICOMC22), Prague, July 2022
28. 4th Symposium "Chemistry at the Interface of Biology and Medicine", Greece, September 2022
29. The Batsheva de Rothschild Seminar on Strong Bond Activation, Israel, October 2022.

Participation in organizing conferences

- Organizer of the International Schulich Symposium on "21st Century Chemistry Frontiers: Synthesis by C-H Bond Functionalization", Haifa, 2009.
- Organizer of the International Schulich Symposium on "New Concepts in Synthetic Chemistry", Haifa, 2013.
- Organizer of the 80th Meeting of the Israel Chemical Society, Tel-Aviv 2015.
- Organizer of an International NSFC-ISF Workshop on "Frontiers of Molecular Design: Synthesis and Catalysis", Haifa 2016.
- Organizer of the GIF Young Scientists conference, "Synthesis and Catalysis: the key for a better Environment, Medicine and Materials", Jerusalem, 2020.
- Organizer of American Chemical Society (ACS) CATL Symposium, Philadelphia, March 2020.