

RESUME

PERSONAL DETAILS

Full Name: Mark Gandelman

Identity No: 306403387

Date and place of birth: February, 18, 1972, Kishinev, Moldova

Phone numbers: +972-4-8295951, +972-50-9255049

E-mail: chmark@technion.ac.il

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

2012-present 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 Friedenbergl 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)

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)

TECHNION ACTIVITIES

2007-2009 Member of the library's committee
 2009 Responsible for Chemical Stores of the Technion
 2010-2011 Responsible for chemical waste disposal in the Technion

DEPARTMENTAL ACTIVITIES

2005- 2009 Coordinator of the Seminars in Organic and Inorganic Chemistry
 2009-2012 Member of the Prizes and Lectureships committee of the Schulich Faculty of Chemistry
 2009-2012 Member of the Renovation committee of the Schulich Faculty of Chemistry
 2009- Member of the teaching committee of the Schulich Faculty of Chemistry
 2010-2011 Responsible for safety at the Schulich Faculty of Chemistry
 2011-2013 Head of Organic/Inorganic Division, Schulich Faculty of Chemistry
 2016- Vice-Dean of Teaching Affairs, Schulich Faculty of Chemistry.
 2016- Head of Teaching Committee.

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.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Israel Chemical Society

GRADUATE STUDENTS

Completed PhD theses

1. **Gal Suez** (2008-20012) Thesis: "Hydrogen and halogen bonding for asymmetric catalysis". Current position: Group Leader in R&D of ADAMA, Beer-Sheva.
2. **Kseniya Kulbitski** (2011-2015) Thesis: "New Approaches and Reagents for the Synthesis of Halo-Organic Compounds". Current position: Staff Scientist in Prof. Eisen group, Technion.
3. **Yael (Elaine) Schuster**, Thesis: "Pincer Click Ligands: Synthesis and Catalysis". Current position: Senior Researcher, Weizmann Institute of Science, Rehovot.
4. **Elana Slutsky-Smith**, (2007-2012) Thesis: "Novel Triazole-Based Ligands and Metal Complexes: Synthesis, Properties, and Reactivities". Current position: Lecturer in Tel-Hai college.
5. **Yuri Tulchinsky**, (2007-2013) "Nitrenium ligands in organometallic chemistry". Current position: Assistant Professor, School of Chemistry, Hebrew University of Jerusalem.
6. **Viktoria Bloch** (2009-2018). "Cationic Nitrogen based Ligands in organometallic chemistry". Chemist at FineTech, Haifa.
7. **Alla Pogoreltsev** (2012-2018). "Nitrenium Cations as Lewis Acids", Chemist at FineTech, Haifa.
8. **Alex Artaryan** (2013-2018): "Novel Halogenation Methods", Chemist at FineTech, Haifa.

Completed MSc theses

1. **Nira Rabin** (2006-2008) Thesis: "Indenyl-Click Ligands: Combinatorial Synthesis and Reactivity". Current position: Researcher at TEVA Tech, Ber-Sheva.
2. **Liron Katz** (2007-2009) Thesis: "Studies on the Reactivity of N-X Bonds (X=O, Br, Cl) with Transition Metals"
3. **Gal Suez** (2005-2008) Thesis: "Development of New Organocatalysts Based on the Molecular Recognition of DNA Bases".
4. **Kseniya Kulbitski** (2009-2011) Thesis: "Iododecarboxylation Process Induced by N-I Compounds"
5. **Ilana Haitman** (2013-16) "Synthesis of alfa-fluoro Carbonyl Compounds"
6. **Itai Zvieli** (2017-2019): "Synthesis and Reactivity of Triazinium-Based Complexes". Current position: Military Service, IDF.
7. **Assaf Mauda** (2016-2019) "Properties of Cyclic Triazanes". Current position: MSc student in Computer Sciences.

CONFERENCES

Plenary, keynote or invited talks

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

13. 18th European Symposium on Organic Chemistry, July 2013 (*"Young Talented" plenary lecture*)
14. 79th Meeting of Israel Chemical Society, February 2014 (*invited*)
15. International Conference on Coordination Chemistry (ICCC41), July 2014, Singapore (*invited*)
16. First International China-Israel Symposium on Homogeneous Catalysis, August 2014, Beijing (*invited*)
17. Joint Symposium Technion-ICIQ, February 2015, Tarragona (*invited*)
18. 1st International Seminar for Young Chemists on Precisely Designed Catalysts, November 2016, Osaka, Japan (*invited*)
19. Gordon Research Conference on Organometallic Chemistry, Newport, RI, July 2018 (*invited*)
20. 22nd International Symposium on Fluorine Chemistry, Oxford, July 2018 (*invited*)
21. Symposium of the Israel Chemical Society, Tel Aviv, February, 2019 (*invited*)
22. Schulich Symposium, Haifa, April, 2019 (*invited*)
23. Japan-Israel conference on "Molecular Catalysis in the Service of Society", Haifa, November 2019 (*invited*)
24. International Symposium of Organic Chemistry, Greece, September 2019 (*invited*)
25. 20th Tetrahedron Symposium, Sweden, June 2020 (*keynote*)

Contributed Talks and Posters

26. International Symposium on Synthesis and Catalysis, September 2015, Evora (*oral presentation*)
27. Tetrahedron Symposium (Challenges in Bioorganic and Organic Chemistry), November 2015, Shanghai, (*oral presentation*)

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.