

CURRICULUM VITAE

• **Personal Details**

N. Gabriel Lemcoff

Date and place of birth: June 4th 1969, Buenos Aires, Argentina

Address telephone number at work: Chemistry Department, Ben-Gurion University of the Negev. 08-6461641

Address and telephone number at home: Kibbutz Yakum, 0545-208697

• **Education**

B.Sc. - 1995 - Tel-Aviv University, Chemistry (Magna Cum Laude)

Ph.D.- 2002, Tel-Aviv University, Chemistry (Summa Cum Laude)

Name of advisor: Prof. Ben-Zion Fuchs

Title of thesis: "Novel Macromolecular Diacetal Systems"

• **Employment History**

Years: 2015-

Full Professor

Ben-Gurion University of the Negev

Years: 2011-2015

Associate Professor (Tenured)

Ben-Gurion University of the Negev

Years: August 2004-2011

Senior Lecturer

Ben-Gurion University of the Negev

Years: January 2002- August 2004

Postdoctoral Research Assistant

University of Illinois Urbana-Champaign; Department of Organic Chemistry,

Supervisor: Prof. Steven C. Zimmerman.

• **Professional Activities**

Positions in academic administration

2020- Dean Faculty of Natural Sciences

2020 Vice-Dean Faculty of Natural Sciences

2020- University Senate Member

2018-2020 Undergraduate Teaching Committee

2016-2019 University Superior Promotions Committee

2016-2019 Head of the NMR Committee

2012-2019	University Senate Member
2012-2017	University Senate Follow-up Committee
2012-2016	Head of The Chemistry Department
2010-2012	Head of the Undergraduate Teaching Committee, Chemistry Department
2010-2012	Departmental Prizes Committee
2009-2013	Students' University Disciplinary Committee
2008-2012	Head of the NMR Committee
2005-2012	Undergraduate Teaching Committee

Professional functions outside universities/institutions

2017-2018	National Council of Higher Education Committee for Pre-Academic Chemistry Programs (Universities and Colleges)
2013-	Steering Committee for the Chemistry "Marie Curie" Program for High School students in the Negev. (Institutions in the committee: City of Beer-Sheva, Rashi Foundation, Adama Agricultural Solutions Ltd., BGU).

Significant professional consulting

Consultant for Eden Oils on chemical transformations of jojoba oils.

Consultant for Teva Industries.

Consultant for ICL Industrial Products (Bromine Chemicals).

Ad-hoc reviewer for journals

Reviewer for major chemistry journals, main activities for:

ACS (JACS, JOC, Org. Lett., Organometallics, Inorg. Chem., Macromol., ACS Catalysis, etc.),

Wiley (Angew. Chem., Adv. Syn. Cat., Chem. Eur. J., Eur. J. Org. Chem., Eur. J. Inorg. Chem., Chem. Asian J., J. Polym. Sci. Part A, etc.),

RSC (Chem. Comm., Chem. Science, Dalton Trans., Polym. Chem., RSC Adv, etc.) and others.

Nature Chemistry

Membership in professional/scientific societies

1995-2001/2005- Israeli Chemical Society

1998-2001/2005- 2012/2019- American Chemical Society

• Educational activities

(a) Courses taught

2005- 2009	Advanced Organic Chemistry Lab (3 rd Year Students). 10 hours/week.
2008-2010	Selected Chapters in Physical Organic Chemistry (Graduate Course). 3 hours/week.
2009-2011	Advanced Organic Chemistry (3 rd Year + MSc Students). 3 hours/week.
2010-2013	Organometallics (3 rd Year + MSc Students) taught jointly with Prof. Ira Weinstock. 2 hours/week.
2010-2016	History, Methodology and Ethics in Science (3 rd Year + Graduate Students). 1 hour/week.
2011-2016	Physical Organic Chemistry (3 rd Year, 3 hours/week)

2016-2018	Advanced Organic Chemistry Lab (3 rd Year Students). 10 hours/week.
2010-2020	Organic Chemistry Lab (2 nd Year Students). 6 hours/week.
2015-	Organic Chemistry I (Marie Curie Program for High School Students/ 4 hours/week)
2007-	Introduction to Chromatography (3 rd Year + MSc Students) 2 hours/week.
2018	Organic Chemistry II (Summer semester, 9 hour/week)
2018-2019	Advanced Organic Chemistry (3 rd Year Students). 3 hours/week
2020, 2022	Physical Organic Chemistry (3 rd Year, 3 hours/week)
2021	Organic Chemistry Lab (2 nd Year Students Chemical Engineering). 5 hours/week.

(b) Research students

- 1- Eyal Tzur, 'Novel methods in olefin metathesis', PhD 2005-2010 (Summa Cum Laude).
Currently Senior Lecturer at Sami Shamoon College of Engineering.
- 2- Meital Shema-Mizrachi, 'Mass transfer and catalysis in dendrimers with boronic acid end-groups', MSc 2004-2006, PhD 2006-2012.
Currently Lab Manager, Chemistry Department, BGU.
- 3- Olga Iliashevsky, 'Synthesis, development and applications of supported dendritic macromolecules', MSc 2004-2006, PhD 2006-2011.
Currently Lab Manager, Chemical Engineering, BGU.
- 4- Sarit Yerushalmi, 'Novel synthetic methods and studies of substituted, macrocyclic and dendrimeric quinones', MSc 2005-2007, Co-supervisor Prof. S. Bittner.
'Multivalent dendritic quorum sensing molecules', PhD 2007-2014, Co-supervisor Prof. Michael Meijler.
Currently Senior Chemist, Eden Oils, Hatzerim.
- 5- Yuval Vidavsky, 'Novel polymer structures by olefin metathesis', MSc 2005-2007, PhD 2008-2012.
Currently Postdoctoral Researcher, Cornell University.
- 6- Charles E. Diesendruck, 'Homo and hetero bimetallic N-heterocyclic carbene catalytic complexes' MSc 2005-2007, PhD 2007-2011.
Currently Assistant Professor, Chemistry Faculty, Technion.
- 7- Dvora Berkovich-Berger, 'Acetal dynamic combinatorial libraries', PhD 2005-2011
Currently Israel Chemicals Ltd., R&D.
- 8- Anna Aharoni, 'New methods in catalysis: Mass transfer with dendritic catalysts and development of latent ruthenium olefin metathesis catalysts', PhD 2005-2011
Currently Teva Pharmaceutical Industries, R&D.
- 9- Liron Amir, 'Design synthesis and electropolymerization of hybrid pyrrole based compounds for use in biosensors', MSc 2006-2009. Co-supervisor Prof. R. Marks
- 10- Monique Bassomo, 'Novel bolaamphiphilic vesicles from castor oil for targeted drug delivery', PhD 2008-2014. Co-supervisor Prof. Sarina Grinberg.
Currently, Lecturer University of Douala, Cameroon.

- 11- Yakov Ginzburg, "Organic nanoparticles by olefin metathesis", MSc 2009-2011, PhD 2011-2016
Currently OnTarget Chemistry, R&D.
- 12- Efrat Levin "Novel Thiol Reactions and Light Guided Processes", MSc 2009-2011, PhD 2011-2016
Currently OnTarget Chemistry, R&D.
- 13- Aviel Anavi "Trifluorothioether ligands for latent olefin metathesis and Novel Thiol Reactions", MSc 2009-2011
Currently, Postdoctoral Researcher, BASF, Heidelberg, Germany
- 14- Elisa Ivry "Asymmetric Ruthenium olefin metathesis catalysts", MSc 2011-2013, PhD 2013-2018
Currently Lecturer at Open University of Israel
- 15- Illya Rozenberg "Polymeric Organic Nanoparticles", MSc 2011-2013, PhD 2013-2018,
Currently, Lab Manager, Chemistry Department, BGU
- 16- Danielle Butilkov "Dendritic Catalysts", MSc 2011-2013, PhD 2013-2018,
Currently Researcher at Adama Ltd.
- 17- Inbal Berkovich "Organometallic Nanoparticles", PhD 2013-2018
- 18- Or Eivgi "New Chromatic Orthogonal Processes", MSc 2013-2015, PhD 2015-2019
- 19- Victoria Kobernik "Organic Nanoparticles", MSc 2014-2017, PhD 2017-2021
- 20- Gal Segalovich "Novel Photosensitive Catalysis", MSc 2016-2018, PhD 2018-2022
- 21- Alexander Frenklah "DFT Analyses of Ruthenium Catalysts", PhD 2016-2022 Co-supervisor Dr. Sebastian Kozuch (Also carried out external MSc 2014-2016 while working at ADAMA Ltd. on "Selective hydrogenations of a nitro intermediate on route to Pyraclostrobin")
- 22- Noy Nechmad "Effective Molarity in Olefin Metathesis Reactions", MSc 2017-2019, PhD 2019-
- 23- Mohamed Agbaria "Novel Halogenation Reactions", MSc 2018-2020
- 24- Nebal Alassad "Anion Exchange in Olefin Metathesis Ruthenium Catalysts", MSc 2019-2021, PhD 2021-
- 25- Anna Vaisman "Phosphite Containing Ruthenium Benzylienes", MSc 2019-2021, PhD 2021-
- 26- Habib Assy "Synthesis and Development of Novel Ruthenium Olefin Metathesis Complexes for the Catalysis of Tetra-Substituted ROMP Substrates" MSc 2019-2022, PhD 2022-
- 27- Keren Iudanov "New methodologies for Single chain collapse of organic polymers" Direct PhD 2021-

28- Ronny Niv “New Methodologies in Olefin Metathesis” MSc 2022-

Postdoctoral Researchers

- Dr. Rajesh H. Tale, 2009-2010
- Dr. Sudheendran Mavila, 2012-2015,
- Dr. Sukdeb Saha, 2013-2016,
- Dr. Revanath Sutar, 2014-2018 (Joint with Prof. Ofer Reany, Open University)
- Dr. Stefano Guidone, 2015-2016
- Dr. Srinivas Samala, 2015-2016
- Dr. Amar Mohite, 2016-2020 (Joint with Prof. Ofer Reany)
- Dr. Ravindra Phatake; 2017-2021
- Dr. Rajnikanth 2017 - 2018 (Joint with Prof. Ofer Reany)
- Dr. Manikandan Rajendran 2018-2019
- Dr. Poojah Dubey 2019-2020 (Joint with Prof. Ofer Reany)
- Dr. Or Eivgi 2020
- Dr. Uttam K. Mishra 2021-
- Dr. Yashwant Pandi 2022-

• **Awards, Citations, Honors, Fellowships**

2020 Israel Chemical Society Adama Prize for Technological Innovation

2011 Dean's Award for excellence in research

2008 Chairmen Innovative Work in Organometallic Chemistry Award, ICOMC XXIII,
Rennes, France

1998 Intel Graduate Excellence Award, Tel-Aviv University.

1997 Trotzky Scholarship, Tel-Aviv University.

1994 Undergraduate Excellence Prize, Chaim Langzman (in memoriam) prize.

• **Scientific Publications**

(According to Web of Science Journal Citation Reports, September 2022)

h-index: 27

Total citations Web of Science: 2882, Without self-citations: 2429

**Google Scholar: h-index: 31, i-10 index: 63 (publications with at least 10 citations),
total citations 3399**

1. Frische, K.^{PD}; Greenwald, M.^S; Ashkenazi, E.^S; Lemcoff, N.G.^S; Abramson, S.^C; Golender, L.^C; Fuchs B.^{PI} “**New Supramolecular Hosts Systems. 4. Novel Diacetal Podands, Diazacrowns and Cryptands**” Tetrahedron Letters, **1995**, 36, 9193-9196. (IF = 2.125, JR 27/57 – Q2, 23 citations)
2. Star, A.^S; Lemcoff, N.G.^S; Goldberg, I.^C; Fuchs, B.^{PI} “**A new class of heterobicyclic systems: dioxadiazadecalins**” Tetrahedron Letters, **1997**, 38, 3573-3576. (IF = 2.125, JR 27/57 – Q2, 12 citations)
3. Star, A.^S; Goldberg, I.^C; Lemcoff, N.G.^S; Fuchs, B.^{PI} “**New supramolecular host systems. Part 11. The stereoisomeric diaminobutanediol and dioxadiazadecalin systems. Synthesis, structure, stereoelectronics, and**

- conformation. Theory vs. experiment**” European Journal of Organic Chemistry, **1999**, 9, 2033-2043. (IF = 2.882, JR 18/57 – Q2, 14 citations)
4. Grabarnik, M.^C; Lemcoff, N.G.^S; Madar, R.^S; Abramson, S.^C; Weinman, S.^T; Fuchs, B.^{PI} **“On Five- vs Six-membered Diacetal Formation from Threitol and the Intermediacy of Unusually Stable Protonated Species”** Journal of Organic Chemistry, **2000**, 65, 1636-1642. (IF = 4.805, JR 9/57 – Q1, 12 citations)
 5. Lemcoff, N.G.^S and Fuchs, B.^{PI} **“Toward Novel Polyacetals by Transacetalation Techniques: Dendrimeric Diacetals”** Organic Letters **2002**, 4, 731-734. (IF = 6.492, JR 3/57 – Q1, 28 citations)
 6. Abramson, S.^C; Ashkenazi, E.^S; Frische, K.^{PD}; Goldberg, I.^C; Golender, L.^C; Greenwald, M.^S; Lemcoff, N.G.^S; Madar, R.^S; Weinman, S.^T and Fuchs B.^{PI} **“Novel Podands and Macrocycles with Diacetal Tetraoxadecalin Cores”** Chemistry – A European Journal, **2003**, 9, 6071-6082. (IF = 5.16, JR 37/171 – Q1, 5 citations)
 7. Zimmerman, S.C.^{PI}; Schultz, L.G.^S; Lemcoff, N.G.^{PD} **“Monomolecular imprinting: Synthetic hosts via molecular imprinting inside of dendrimers”** Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) **2003**, 44, 466-467.(2 citations, Scifinder)
 8. Zimmerman, S.C.^{PI} and Lemcoff N.G.^{PD} **“Synthetic hosts via molecular imprinting—are universal synthetic antibodies realistically possible?”** Chemical Communications, **2004**, 1, 5-14. (IF = 6.29, JR 28/171 – Q1, 208 citations)
 9. Lemcoff, N.G.^{PD}; Spurlin, T.A.^S; Gewirth, A.A.^C; Zimmerman, S.C.^{PI}; Beil, J.B.^S; Elmer, S.L.^S and Vandever, G.^S **“Organic Nanoparticles whose Size and Rigidity is Finely Tuned by Cross-linking the End-Groups of Dendrimers”** Journal of the American Chemical Society, **2004**, 126, 11420-11421. (IF = 14.357, JR 8/171– Q1, 65 citations)
 10. Beil, J.B.^S; Lemcoff, N.G.^{PD} and Zimmerman, S.C.^{PI} **“On the Nature of Dendrimer Cross-linking by Ring-Closing Metathesis”** Journal of the American Chemical Society, **2004**, 126, 13576-13577. (IF = 14.357, JR 8/171– Q1, 42 citations)
 11. Yerushalmi, S.^S; Lemcoff, N.G.^{PI} and Bittner, S.^{PI} **“Synthesis of 8, 9, and 10-Membered Nitrogen Containing Quinone-Fused Heterocycles”** Synthesis, **2007**, 239-242. (IF = 2.722, JR 20/57 – Q2, 12 citations)
 12. Berkovich, D.^S; Abramson, S.^C; Grabarnik, M.^C; Golender, L.^C; Dagan, S.^C; Goldberg, I.^C; Weinman, S.^T; Lemcoff, N.G.^{PI} and Fuchs, B.^{PI} **“Polythiacrown Macro- and Gigantocycles with Chiral Diacetal Cores”** European Journal of Organic Chemistry, **2007**, 12, 1957-1975. (IF = 2.882, JR 18/57 – Q2, 10 citations)
 13. Elmer, S.L.^S; Lemcoff, N.G.^C and Zimmerman, S.C.^{PI} **“Exploring the Reversibility of the Ring-Closing Metathesis Mediated Cross-linking of Dendrimers”** Macromolecules, **2007**, 40, 8114-8118. (IF = 5.914, JR 5/87 – Q1, 13 citations)
 14. Tzur, E.^S; Ben-Asuly, A.^C; Diesendruck, C.E.^S; Goldberg, I.^C and Lemcoff, N.G.^{PI} **“Homodinuclear Ruthenium Catalysts for Dimer Ring-Closing Metathesis”**, Angewandte Chemie Int. Ed., **2008**, 34, 6422-6425. (IF = 12.257, JR 17/172 – Q1, 35 citations)
 15. Berkovich-Berger, D.^S and Lemcoff, N.G.^{PI} **“Facile Acetal Dynamic Combinatorial Library”** Chemical Communications, **2008**, 14, 1686-1688. (IF = 6.29, JR 28/171 – Q1, 24 citations)
 16. Ben-Asuly A.^C; Tzur E.^S; Diesendruck C.^S; Sigalov M.^C; Goldberg I.^C; Lemcoff N.G.^{PI} **“A Thermally Switchable Latent Ruthenium Olefin Metathesis**

- Catalyst**” Organometallics, **2008**, 27, 811-813. (10th Most Accessed Paper January-March 2008) (IF = 4.051, JR 7/45 – Q1, 134 citations)
17. Kost, T.^S; Sigalov, M.^C; Goldberg, I.^C; Ben-Asuly, A.^C and Lemcoff, N.G.^{PI} **“Latent Sulfur Chelated Ruthenium Catalysts: Steric Acceleration Effects on Olefin Metathesis”**, Journal of Organometallic Chemistry, **2008**, 693, 2200-2203. (Top 20 Hottest Paper April-June 2008). (IF = 1.946, JR 19/45 – Q2, 81 citations)
 18. Shema-Mizrachi, M.^S; Aharoni, A.^S; Iliashevsky, O.^S; and Lemcoff N.G.^{PI} **“Towards Control of Dendrimer Properties by Reversible Exchange of Termini: Synthesis and Characterization of Diverse Porphyrin Dendrimers”** Israel Journal of Chemistry, **2009**, 49, 1-8. (Invited paper). (IF = 2.607, JR 76/171 – Q2, 5 citations)
 19. Iliashevsky, O.^S; Amir, L.^S; Glaser, R.^C; Marks, R.^C and Lemcoff N.G.^{PI} **“Synthesis, characterization and protein-binding properties of supported dendrons”** Journal of Materials Chemistry, **2009**, 19, 6616–6622. (IF = 6.626, JR 22/251 – Q1, 11 citations)
 20. Diesendruck, C.E.^S; Vidavsky, Y.^S Ben-Asuly, A.^C; and Lemcoff, N.G.^{PI} **“A Latent S-Chelated Ruthenium Benzylidene Initiator for Ring-Opening Metathesis Polymerization”** Journal of Polymer Science Part A: Chemistry, **2009**, 47, 4209-4213. (IF = 2.588, JR 23/87 – Q2, 60 citations)
 21. Ben-Asuly, A.^C; Aharoni, A.^S; Diesendruck, C. E.^S; Vidavsky, Y.^S; Goldberg, I.^C; Straub, B. F.^C and Lemcoff, N. G.^{PI}; **“Photoactivation of Ruthenium Olefin Metathesis Initiators”** Organometallics, **2009**, 28, 4652–4655. (IF = 4.051, JR 7/45 – Q1, 98 citations)
 22. Diesendruck, C. E.; Tzur, E. and Lemcoff, N.G.^{PI} **“The Versatile Alkylidene Moiety in Ruthenium Olefin Metathesis Catalysts”** Invited Microreview for the European Journal of Inorganic Chemistry, **2009**, 28, 4185-4203. (*Cover Page*). (IF = 2.507, JR 14/45 – Q2, 84 citations)
 23. Diesendruck, C. E.^S; Tzur, E.^S; Ben-Asuly, A.^C; Vidavsky, Y.^S; Goldberg, I.^C; Straub, B. F.^{PI} and Lemcoff, N. G.^{PI} **“Predicting the Cis-Trans Dichloro Configuration of Group 15-16 Chelated Ruthenium Olefin Metathesis Complexes: A DFT and Experimental Study”** Inorganic Chemistry, **2009**, 48, 10819-10825. (IF = 4.7, JR 5/45 – Q1, 88 citations)
 24. Berkovich-Berger, D.^S; Lemcoff, N.G.^{PI}; Abramson, S.^C; Grabarnik, M.^C; Weinman, S.^T; and Fuchs, B.^{PI} **“Oligomerization of 1,2-Ethanedithiol: An Expedient Approach to Oligothiaethylenethioglycols”** Chemistry – a European Journal, **2010**, 16, 6365-6373. (IF = 5.16, JR 37/171 – Q1, 6 citations)
 25. Tzur, E.^S; Goldberg, I.^C; Ben-Asuly, A.^C; Szadkowska, A.^S; Makal, A.^S; Woźniak, K.^S; Grela, K.^{PI} and Lemcoff N. G.^{PI} **“Studies on Electronic Effects on O -, N- and S- Chelated Ruthenium Olefin Metathesis Catalysts”** Chemistry – a European Journal, **2010**, 16, 8726-8737. (IF = 5.16, JR 37/171 – Q1, 72 citations)
 26. Diesendruck, C.E.^S; Iliashevsky, O.^S; Ben-Asuly, A.^C; Goldberg, I.^C and Lemcoff, N.G.^{PI} **“Latent and Switchable Olefin Metathesis Catalysts”** Macromolecular Symposia, **2010**, 293, 33–38. (IF = 0.913, JR 40/77 – Q3, 34 citations)
 27. Diesendruck, C.E.^S; Ben-Asuly, A.^C; Goldberg, I.^C and Lemcoff, N.G.^{PI} **“Dimer Ring-Closing Metathesis”** *Invited contribution*, Chimica Oggi, **2010**, 28, 15-18. (IF = 0.396, JR 152/160 – Q4, 3 citations)
 28. Sigalov, M.^{PI}; Lemcoff, N.G.^C; Shainyan, B.^C; Chipanina, N.^C; and Aksamentova T.^C **“Enol Forms of 1,3-indandione, Their Stabilization by Ionic Hydrogen Bonding and Zwitter-ion Assisted Interconversion”** European Journal of

- Organic Chemistry, **2010**, 14, 2800-2811. (IF = 3.029, JR 18/57 – Q2, 18 citations)
29. Vidavsky, Y.^S and Lemcoff, N.G.^{PI} **“Light-Induced Olefin Metathesis”** Beilstein Journal of Organic Chemistry, **2010**, 6, 1106-1119. (IF = 2.59, JR 25/57 – Q2, 61 citations)
 30. Aharoni, A.^S; Vidavsky, Y.^S; Diesendruck, C.E.^S; Ben-Asuly, A.^C; Goldberg, I.^C and Lemcoff, N.G.^{PI} **“Ligand Isomerization in Sulfur Chelated Ruthenium Benzylidenes”** Organometallics, **2011**, 30, 1607-1615. (IF = 4.051, JR 7/45 – Q1, 51 citations)
 31. Lexer, C.^S; Burtscher, D.^S; Perner, P.^S; Tzur, E.^S; Lemcoff, N.G.^{PI} and Slugovc, C.^{PI} **“Olefin Metathesis Catalyst Bearing a Chelating Phosphine Ligand”** Journal of Organometallic Chemistry, **2011**, 896, 2466-2470. (IF = 2.066, JR 24/45 – Q3, 30 citations)
 32. Ginzburg, Y.^S; Anaby, A.^S; Vidavsky, Y.^S; Diesendruck, C.E.^S; Ben-Asuly, A.^C; Goldberg, I.^C and Lemcoff, N.G.^{PI} **“Widening the Latency Gap in Chelated Ruthenium Olefin Metathesis Catalysts”** Organometallics, **2011**, 30, 3430-3437. (IF = 4.051, JR 7/45 – Q1, 61 citations)
 33. Shema-Mizrachi, M.^S; Pavan, G. M.^{PD}; Levin, E.^S; Danani, A.^C and Lemcoff, N. G.^{PI} **“Catalytic Chameleon Dendrimers”** Journal of the American Chemical Society, **2011**, 133, 14359–14367. (14.357, JR 8/171 – Q1, 52 citations)
 34. Vidavsky, Y.^S; Anaby, A.^S and Lemcoff, N.G.^{PI} **“Chelating Alkylidene Ligands as Pacifiers for Ruthenium Catalysed Olefin Metathesis”** Dalton Transactions, **2012**, 41, 32-43. (IF = 4.099, JR 6/45 – Q1, 100 citations)
 35. Zakon, Y.^S; Lemcoff, N.G.^C; Marmur, A.^C and Zeiri, Y.^{PI} **“Adhesion of Standard Explosive Particles to Model Surfaces”** Journal of Physical Chemistry C, **2012**, 116, 22815-22822. (IF = 4.484, JR 54/285 – Q1, 21 citations)
 36. Levin, E.^S; Anaby, A.^S; Diesendruck, C.E.^S; Berkovich-Berger, D.^S; Fuchs, B.^C and Lemcoff N.G.^{PI} **“Oligomerisation Reactions of Beta Substituted Thiols in Water”** RSC Advances, **2013**, 3, 1735-1738. (IF = 2.936, JR 71/171 – Q2, 4 citations)
 37. Melamed-Yerushalmi, S.^S; Buck, M. E.^S; Lynn, D. M.^C; Lemcoff, N. G.^{PI} and Meijler, M. M.^{PI} **“Multivalent Attenuation of Quorum Sensing in Staphylococcus aureus”** Chemical Communications, **2013**, 49, 5177-5179. (IF = 6.29, JR 28/171 – Q1, 12 citations)
 38. Mavila, S.^{PD}; Diesendruck, C.E.^S; Linde, S.^S; Amir, L.^S; Shikler, R.^C and Lemcoff, N.G.^{PI} **“Polycyclooctadiene complexes of rhodium(I): direct access to organometallic nanoparticles”** Angewandte Chemie Int. Ed., **2013**, 52, 5767-5770. (IF = IF = 12.257, JR 17/172 – Q1, 73 citations)
 39. Villalonga-Barber, C.^{PI}; Vallianatou, K.^S; Georgakopoulos, S.^{PD}; Steele, B.R.^S; Micha-Screttas, M.^S; Levin, E.^S and Lemcoff, N.G.^{PI} **“Synthesis, characterisation, electronic spectra and electrochemical investigation of ferrocenyl-terminated dendrimers”** Tetrahedron, **2013**, 69, 3885-3895. (IF = 2.377, JR 23/57 – Q2, 10 citations)
 40. Bai, Y.^S; Xing, H.^S; Vincil, G. A.^S; Lee, J.^S; Henderson, E.^S; Lu, Y.; Lemcoff, N.G.^C and Zimmerman, S.C.^{PI} **“Practical Synthesis of Water-soluble Organic Nanoparticles with a Single Reactive Group and a Functional Carrier Scaffold”** Chemical Science, **2014**, 5, 2862-2868. (IF = 9.556, JR 19/172 – Q1, 55 citations)
 41. Mavila, S.^{PD}; Rozenberg, I.^S and Lemcoff, N.G.^{PI} **“A general approach to mono- and bimetallic organometallic nanoparticles”** Chemical Science, **2014**, 5, 4196-4203. (IF = 9.556, JR 19/172 – Q1, 61 citations)
 42. Butilkov, D.^S and Lemcoff, N.G.^{PI} **“Jojoba oil olefin metathesis: a valuable source for bio-renewable materials”** Green Chemistry, **2014**, 16, 4728-4733.

- (IF = 9.405, JR 2/35 (sustainable science), JR 20/172 (multidisciplinary chemistry) – Q1, 21 citations)
43. Tzur, E.^{PI}; Ivry, E.^S; Diesendruck, C.E.^C; Vidavsky, Y.^S; Goldberg, I.^C and Lemcoff, N.G.^C **“Stability and activity of cis-dichloro ruthenium olefin metathesis precatalysts bearing chelating sulfur alkylidenes”** Journal of Organometallic Chemistry, **2014**, 769, 24-28. (IF = 1.945, JR 19/45 – Q2, 12 citations)
 44. Ivry, E.^S; Ben-Asuly, A.^C; Goldberg, I.^C and Lemcoff, N.G.^{PI} **“Amino Acids as Chiral Anionic Ligands for Ruthenium Based Asymmetric Olefin Metathesis”** Chemical Communications, **2015**, 51, 3870-3873. (IF = 6.29, JR 28/171 – Q1, 16 citations)
 45. Eivgi, O.^S; Levin, E.^S and Lemcoff, N.G.^{PI} **“Modulation of Photodeprotection by the Sunscreen Protocol”** Organic Letters, **2015**, 17, 740-743. (IF = 6.492, JR 3/57 – Q1, 12 citations)
 46. Levin, E.^S; Ivry, E.^S; Diesendruck, C.E.^C and Lemcoff, N.G.^{PI} **“Water in N-Heterocyclic Carbene Assisted Catalysis”** Chemical Reviews, **2015**, 115, 4607-4692. (IF=54.301, JR 1/172 – Q1, 197 citations)
 47. Vidavsky, Y.^S; Navon, Y.^S; Ginzburg, Y.^S; Gottlieb, M.^{PI} and Lemcoff, N.G.^{PI} **“Thermal properties of ruthenium alkylidene polymerized DCPD”** Beilstein Journal of Organic Chemistry, **2015**, 11, 1469–1474. (Special Issue on Olefin Metathesis, IF=2.33, JR 25/57 – Q2, 18 citations).
 48. Levin, E.^S; Mavila, S.^{PD}; Eivgi, O.^S; Tzur, E.^C and Lemcoff, N.G.^{PI} **“Regioselective chromatic orthogonality with light activated metathesis catalysts”** Angewandte Chemie Int. Ed., **2015**, 54, 12384-12388. (IF = 12.257, JR 17/172 – Q1, 27 citations)
 49. Saha, S.^{PD}; Rozenberg, I.^S and Lemcoff, N.G.^{PI} **“Synthesis of Furanyl β -diketone Based Heteroleptic Ir(III) Complexes and Studies of Their Photo-Luminescence Properties”** Zeitschrift für Anorganische und Allgemeine Chemie, **2015**, 2460-2465, Invited Contribution (Special Issue, IF = 1.179, JR 33/45 - Q3, 3 citations).
 50. Ewonkem, M. B.,^{PI} Grinberg, S.,^C Lemcoff, N. G.,^C Shaubi, E.,^C Linder, C.,^C Heldman, E.^C **“Newly synthesized bolaamphiphiles from castor oil and their aggregated morphologies for potential use in drug delivery”** Tetrahedron **2015**, 71, 8557-8571. (IF = 2.377, JR 23/57 – Q2, 2 citations)
 51. Berkovich, I.^S; Mavila, S.^{PD}; Iliashevsky, O.^C; Kozuch, S.^C and Lemcoff, N.G.^{PI} **“Single-chain polybutadiene organometallic nanoparticles: An experimental and theoretical study”** Chemical Science **2016**, 7, 1773-1778. (IF = 9.556, JR 19/172 – Q1, 25 citations)
 52. Saha, S.,^{PD} Ginzburg, Y.,^S Rozenberg, I.,^S Iliashevsky, O.,^T Ben-Asuly, A.^C and Lemcoff, N.G.,^{PI} **Cross-linked ROMP polymers based on odourless dicyclopentadiene derivatives**, Polymer Chemistry, **2016**, 7, 3071-3075. (IF = 4.927, JR 8/87 – Q1, 23 citations)
 53. Sengupta, S.,^{PD} Loutaty, R.,^S Petel, K.,^S Levin, E.,^S Lemcoff, N. G.,^C Golan, Y.^{PI} **The effect of short chain thiol ligand additives on chemical bath deposition of lead sulphide thin films: the unique behaviour of 1,2-ethanedithiol**, CrystEngComm, **2016**, 18, 9122-9129. (IF = 3.304, JR 8/26 – Q2, 6 citations)
 54. Sutar, R. L.^{PD}; Levin, E.^S; Butilkov, D.^S; Goldberg, I.^C; Reany, O.^C and Lemcoff, N.G.^{PI} **“A Light Activated Olefin Metathesis Catalyst Equipped with a Chromatic Orthogonal Self-Destruct Function”** Angewandte Chemie Int. Ed., **2016**, 55, 764-767. (IF = 12.257, JR 17/172 – Q1, 25 citations)
 55. Mavila, S.^{PD}; Eivgi, O.^S; Berkovich, I.^S and Lemcoff, N.G.^{PI} **“Intramolecular Cross-linking Methodologies for the Synthesis of Polymer Nanoparticles”**

- Chemical Reviews, **2016**, *116*, 878-961. (IF=54.301, JR 1/172 – Q1, 263 citations.)
56. Reany, O.;^{PI} Lemcoff, N.G.^{PI} **Light Guided Chemoselective Olefin Metathesis Reactions**, Pure and Applied Chemistry, **2017**, *89*, 829–840. (IF – 5.294, JR 36/171 – Q1, 8 citations) *Invited Contribution for Special Issue*
 57. Eivgi, O.;^S Sutar, R.;^{PD} Reany, O.^C and Lemcoff, N.G.^{PI} **Bichromatic Photosynthesis of Coumarins by UV-Filter Enabled Olefin Metathesis**, Advanced Synthesis & Catalysis, **2017**, *359*, 2352–2357. (IF = 5.123, JR 3/71 – Q1, 14 citations)
 58. Butilkov, D., Frenklah, A., Rozenberg, I., Kozuch, S. and Lemcoff, N.G., **Highly Selective Olefin Metathesis with CAAC-Containing Ruthenium Benzylienes**, ACS Catalysis, **2017**, *7*, 7634–7637. (IF = 12.221, JR 11/148 – Q1, 31 citations)
 59. Eivgi, O. and Lemcoff, N.G., **Turning the Light On: Recent Developments in Photoinduced Olefin Metathesis**, Synthesis, **2018**, *50*, 49-63. (IF = 2.722, JR 20/57 – Q2, 37 citations)
 60. Ivry, E., Frenklah, A., Ginzburg, Y., Levin, E., Goldberg, I., Kozuch, S., Lemcoff, N.G. and Tzur, E., **Light- and Thermal-Activated Olefin Metathesis of Hindered Substrates**, Organometallics, **2018**, *37*, 176-181. (IF = 4.051, JR 7/45 – Q1, 25 citations)
 61. Sutar, R.L., Eivgi, O., Sen, S., Segalovich, G., Schapiro, I., Reany O. and Lemcoff, N.G., **Guiding a Divergent Reaction by Photochemical Control: Bichromatic Selective Access to Levulinates and Butenolides**, Chemical Science, **2018**, *9*, 1368-1374. (IF = 9.556, JR 19/172 – Q1, 19 citations)
 62. Pavan, M.J., Fridman, H., Segalovich, G., Shames, A.I., Lemcoff, N.G. and Mokari, T., **Photooxidation of Benzyl Alcohol with Heterogeneous Photocatalysts in the UV Range: The Complex Interplay with the Autoxidative Reaction**, ChemCatChem, **2018**, *10*, 2541-2545. (IF = 4.674, JR 34/147 – Q1, 12 citations)
 63. Sutar, R., Butilkov, D., Lemcoff, N.G. and Reany O., **New latent metathesis catalysts equipped with exchangeable boronic ester groups on the NHC**, Journal of Coordination Chemistry, **2018**, *71*, 1715-1727. (Special Issue to Celebrate Prof. Dan Meyerstein's 80th Birthday, 2 citations).
 64. Eivgi, O.; Guidone, S.; Frenklah, A.; Kozuch, S.; Goldberg, I. and Lemcoff, N.G. **Photoactivation of Ruthenium Phosphite Complexes for Olefin Metathesis**, ACS Catalysis, **2018**, *8*, 6413-6418. (IF = 12.221, JR 11/148 – Q1, 17 citations)
 65. Rozenberg, I.; Eivgi, O.; Frenklah, A.; Butilkov, D.; Kozuch, S.; Goldberg, I. and Lemcoff, N.G. **Synthesis and Catalytic Properties of Sulfur-Chelated Ruthenium Benzylienes Bearing a Cyclic (Alkyl)(amino)carbene Ligand**, ACS Catalysis, **2018**, *8*, 8182-8191. (IF = 12.221, JR 11/148 – Q1, 18 citations)
 66. Ivry, E., Nechmad, N.B., Baranov, M., Goldberg, I. and Lemcoff, N.G., **Influence of Anionic Ligand Exchange in Latent Sulfur-Chelated Ruthenium Precatalysts**, Inorganic Chemistry, **2018**, *57*, 15592-15599. (IF = 4.825, JR 4/45 – Q1, 11 citations)
 67. Bhattacharya, S., Phatake, R. S., Barnea, S. N., Zerby, N., Zhu, J., Shikler, R., Lemcoff, N.G. and Jelinek, R., **Fluorescent Self-Healing Carbon Dot/Polymer Gels**, ACS Nano, **2019**, *13*, 1433-1442. (IF = 13.709, JR 7/147 – Q1, 106 citations)
 68. Nechmad, N. B.; Phatake, R.; Ivry, E.; Poater, A. and Lemcoff, N.G., **Unprecedented Selectivity of Ruthenium Iodide Benzylienes in Olefin Metathesis Reactions**, Angewandte Chemie Int. Ed., **2020**, *59*, 3539-3543 (IF = 12.959, JR 15/177 – Q1, 17 citations)

69. Eivgi, O.; Vaisman, A.; Nechmad, N. B.; Baranov, M.; Lemcoff, N. G., **Latent ruthenium benzylidene phosphite complexes for visible light induced olefin metathesis**, *ACS Catalysis* **2020**, *10*, 2033-2038 (IF = 12.35, JR 12/159 – Q1, 12 citations)
70. Phatake, R. S.; Massarwa, A.; Lemcoff, N. G.; Reany, O. **Tuning Thermal Properties of Cross-Linked DCPD Polymers by Functionalization, Initiator Type and Curing Methods**, *Polymer Chemistry* **2020**, *11*, 1742-1751 (IF = 4.76, JR 8/89 – Q1, 10 citations)
71. Wang, K., Heltzel, J., Sandefur, E., Culley, K., Lemcoff, N. G., Voutchkova-Kostasl, A., **Transfer Hydrogenation of Levulinic Acid from Glycerol and Ethanol Using Water-Soluble Iridium N-Heterocyclic Carbene Complexes**, *J. Organomet. Chem.* **2020**, 121310. (IF = 2.304, JR 20/45 – Q2, 6 citations)
72. Segalovich-Gerendash, G., Rozenberg, I., Alassad, N., Nechmad, N. B., Goldberg, I., Kozuch, S. and Lemcoff, N. G., **Imposing latency in ruthenium sulfoxide-chelated benzylidenes: Expanding opportunities for thermal and photoactivation in olefin metathesis**, *ACS Catalysis* **2020**, *10*, 4827-4834. (IF = 12.221, JR 11/148 – Q1, 16 citations)
73. Eivgi, O. and Lemcoff, N. G., **Sunscreen-Assisted Selective Photochemical Transformations**, *Molecules* **2020**, *25*, 2125 (Invited article for Special Issue, 3 citations)
74. Lemcoff, N. G., Diesendruck, C. E. and Keinan, E. **100 Years of Macromolecular Science**. *Israel Journal of Chemistry* **2020**, *60*, 6–8. (Editorial, Special Issue, 2 citations)
75. Kobernik, V.; Berkovich, I.; Levy, A.; Lemcoff, N. G. and Diesendruck, C.E., **Chemical Communication Between Organometallic Single-Chain Polymer Nanoparticles**, *Chemistry – A European Journal*, **2020**, *26*, 15835–15838. DOI 10.1002/chem.202003330. (IF= 5.02, JR 64/179 – Q2, 2 citations)
76. O. Eivgi, R. S. Phatake, N. B. Nechmad, N. G. Lemcoff, **Light-Activated Olefin Metathesis: Catalyst Development, Synthesis, and Applications**, *Acc. Chem. Res.* **2020**, *53*, 2456–2471. (IF= 20.834, JR 7/177 – Q1, 24 citations) DOI: 10.1021/acs.accounts.0c00495
77. A. R. Mohite, R. S. Phatake, P. Dubey, M. Agbaria, A. I. Shames, N. G. Lemcoff, and O. Reany, **Thiourea-Mediated Halogenation of Alcohols**, *J. Org. Chem.* **2020**, *85*, 12901-12911. (IF= 4.2, JR 12/56 – Q1, 8 citations) DOI: 10.1021/acs.joc.0c01431
78. Nechmad, N. B., Lemcoff N. G., **Sulfur-Chelated Ruthenium Olefin Metathesis Catalysts**, *Synlett*, **2021**, *32*, 258-266. (IF = 2.17, JR 22/63, Q2, 8 citations) DOI 10.1055/s-0040-1707231. Invited Minireview
79. O. Eivgi, A. Vaisman, N.G. Lemcoff, **Latent, Yet Highly Active Photoswitchable Olefin Metathesis Precatalysts Bearing Cyclic Alkyl Amino Carbene (CAAC)/Phosphite Ligands**, *ACS Catalysis*, **2021**, *11*, 703-709. (IF = 12.221, JR 11/148 – Q1, 6 citations)
80. N. B. Nechmad, V. Kobernik, N. Tarannam, R. Phatake, O. Eivgi, S. Kozuch and N. G. Lemcoff, **Reactivity and Selectivity in Ruthenium Sulfur-Chelated Diiodo Catalysts**, *Angew. Chem. Int. Ed.*, **2021**, *60*, 6372-6376 . DOI: 10.1002/anie.202014929. (IF = 16.823, JR 15/179 – Q1, 4 citations)
81. R. S. Phatake, Y. Vidavsky, N. G. Lemcoff, O. Reany, **Oil additives demonstrate dual effects on thermal and mechanical properties of cross-linked hydroxy-DCPD thermosets**, *Europ. Polym. J.*, **2021** *149*, 110364. DOI:10.1016/j.eurpolymj.2021.110364 (IF = 5.546, JR 12/90 – Q1, 2 citations)
82. V. Kobernik, R. S. Phatake, J. Tzadikov, O. Reany, N. G. Lemcoff, **Organometallic Single-Chain Polymer Nanoparticles via Intra-Chain Cross-**

- Linking With Dinuclear μ -halo(diene)Rh(I) Complexes**, Reactive and Functional Polymers, **2021**, 165, 104971. (IF = 4.966, JR 17/90 – Q1, 1 citation)
83. Phatake, R.S., Nechmad, N.B., Reany, O. and Lemcoff, N.G., **Highly Substrate-Selective Macrocyclic Ring Closing Metathesis**, Adv. Synth. Catal., **2022**, <https://doi.org/10.1002/adsc.202101515>
84. Manikandan, R., Phatake, R.S., Lemcoff, N.G., **Metal-Free Photochemical Olefin Isomerization of Unsaturated Ketones via 1,5-Hydrogen Atom Transfer**, Chemistry – A European Journal, **2022**, <https://doi.org/10.1002/chem.202200634>. (IF = 5.02, JR 67/224 – Q2)
85. Alassad, N., Nechmad, N.B., Phatake, R.S., Reany, O., Lemcoff, N.G., **Steric and electronic effects in latent S-chelated olefin metathesis catalysts**, Catal. Sci. Technol., **2022**, <https://doi.org/10.1039/D2CY00943A> (IF = 6.177, JR 54/165 – Q2)
86. N. Lemcoff, N. B. Nechmad, O. Eivgi, E. Yehezkel, O. Shelonchik, R. S. Phatake, D. Yesodi, A. Vaisman, A. Biswas, N. G. Lemcoff, Y. Weizmann, **Plasmonic Vis-NIR photothermal activation of olefin metathesis enabling photoresponsive materials**, Nature Chemistry, **2023**, In Press.
87. N. B. Nechmad, K. Iudanov, N. Tarannam, V. Kobernik, S. Kozuch and N. G. Lemcoff, **Coordinating Additives as Activity Modulators in Diiodo Latent Olefin Metathesis Catalysts**, ChemCatChem, **2023**, Accepted

Book Chapters:

1. Ginzburg, Y.; Lemcoff, N.G., **Hoveyda Type Olefin Metathesis Complexes** (pp. 437-451), Olefin Metathesis Theory and Practice, Edited by Karol Grela, **2014**, John Wiley & Sons. (4 citations)
2. Mavila, S.; Lemcoff, N.G., **N-Heterocyclic Carbene-Ruthenium Complexes: A Striking Breakthrough in Metathesis Reactions** (pp. 307-340), N-Heterocyclic Carbenes - Effective Tools for Organometallic Synthesis, Edited by Steven P. Nolan, **2014**, Wiley-VCH Verlag GmbH & Co. KGaA. (2 citations)
3. Tzur, E.; Lemcoff, N.G., **Latent Ruthenium Olefin Metathesis Catalysts For ROMP** (pp. 283-312), Handbook of Metathesis, 2nd Edition, Volume 3, Edited by Robert H. Grubbs and Ezat Khosravi, **2015**, Wiley-VCH Verlag GmbH & Co. KGaA. (Google Scholar, 10 citations)
4. Berkovich, I.; Kobernik, V.; Guidone, S.; Lemcoff, N.G., **Metal Containing Single-Chain Nanoparticles** (pp. 217-257), Single-Chain Polymer Nanoparticles: Synthesis, Characterization, Simulations, and Applications, Edited by Pomposo, J. A., **2017**, Wiley-VCH Verlag GmbH & Co. KGaA. (Google Scholar, 5 citations)

• Lectures and Presentations at Meetings and Invited Seminars

Invited lectures at conferences/meetings

February, 2005	70 th Israel Chemical Society Meeting, Tel-Aviv, Israel
	“Intramolecular Cross-links in Dendrimers”
April, 2005	COST WG meeting, Bonn, Germany
	“Conceiving Macrocyclic, Polymeric and Dendrimeric Systems with Chiral Diacetal Type Cores”

May, 2005	Minerva workshop, Ohalo, Israel “Organic Nanoparticles by Intramolecular Cross-links in Dendrimers”
May, 2007	Sackler Award Lecture, Tel-Aviv, Israel “Bimetallic Ruthenium Olefin Metathesis”
February, 2008	73 rd Israel Chemical Society Meeting, Jerusalem, Israel “A Switch on Olefin Metathesis”
May, 2008	COST WG meeting, University of Twente, Netherlands “Acetal Dynamic Combinatorial Libraries”
July, 2008	38 th International Conference on Coordination Chemistry, Jerusalem “Olefin Metathesis Switches”
February, 2009	74 th Israel Chemical Society Meeting, Tel-Aviv, Israel “Dimer Ring Closing Olefin Metathesis”
July, 2009	10 th FIGIPAS Meeting in Inorganic Chemistry, Palermo, Italy “Dimer Ring Closing Reactions”
August, 2009	ISOM XVIII (International Symposium on Olefin Metathesis), Leipzig, Germany “Latent and Switchable Ruthenium Olefin Metathesis Catalysts”
January, 2010	75 th Israel Chemical Society Meeting, Tel-Aviv, Israel “Olefin Metathesis: An Extraordinary Reaction”
May, 2010	International Conference on Systems Chemistry, Dead Sea, Israel “New Reactions with Thiols. An Original Entry to Dynamic Combinatorial Chemistry?”
June, 2010	Meeting of the Israel Polymer and Plastics Society, Beer-Sheva, Israel “Novel polymerization methods: ring-opening metathesis polymerizations and the use of latent catalysts”
April, 2011	EICC-1: First EuCheMS Inorganic Chemistry Conference Manchester, UK. “Pacifying Ruthenium Olefin Metathesis Catalysts with Sulfur Chelates”
July, 2011	ISOM IXX (International Symposium on Olefin Metathesis), Rennes, France “Insights on cis-dichloro ruthenium alkylidenes as olefin metathesis catalysts”
December, 2011	Frontiers in Organic Chemistry – Italy-Israel Conference, Tel-Aviv “Pacifying Ruthenium Olefin Metathesis Catalysts with Sulfur Chelates”
August, 2012	244 th American Chemical Society Meeting, N-Heterocyclic Carbenes in Catalysis Symposium, Philadelphia, USA “New Methodologies in Olefin Metathesis: Dimer Ring Closing Reactions and Switchable Catalysts”

February, 2013	78 th Annual Meeting of the Israel Chemical Society, Tel-Aviv, Israel. “New Methodologies in Olefin Metathesis”
June, 2013	8 th International Dendrimer Symposium, Madrid, Spain. “Catalytic Chameleon Dendrimers”
August, 2013	15 th Asian Chemical Congress, Singapore. “Using NHCs for Novel Ru Olefin Metathesis and Materials”
February, 2014	Functional Polymeric Materials Conference, Cancun, Mexico. “Organometallic Nanoparticles”
September, 2014	1 st Sino-Israel Bilateral Workshop and International Symposium on Organometallics and Homogeneous Catalysis, Beijing, China. “Organometallic Nanoparticles”
February, 2015	80 th Annual Meeting of the Israel Chemical Society, Tel Aviv, Israel. “Organometallic Nanoparticles”
May, 2015	Plenary Speaker at the 7 th Cristofor I. Simionescu Symposium “Frontiers in Macromolecular and Supramolecular Science,” May 31-June 7, Romanian Academy in Bucharest and “Petru Poni” Institute of Macromolecular Chemistry in Iasi (2 Lectures). “From Olefin Metathesis to Organometallic Nanoparticles; A Journey in Chemical Discovery”
December, 2015	44 th Annual meeting of the Israel Polymer and Plastics Society, Jerusalem, Israel “Light Activated ROMP Catalysts and Polymers: From Basic Science to Applications”
February, 2016	The 81 st Annual Meeting of the Israel Chemical Society, Tel-Aviv, Israel. “Guiding Chemistry with Light”
June, 2016	“Schulich Symposium on Recent Advances in Organic Synthesis”, Haifa, Israel. Plenary Lecture. “How Slow (Latent) Catalysts Became (more) Useful by Using Light”
June, 2016	“Agilent Symposium on Uses of GC and GC-MS”, Beer-Sheva, Israel “GC-MS in Modern Chemical Research: An Instrumental Instrument”
November, 2016	“NSFC-ISF Workshop – Frontiers of Molecular Design: Synthesis and Catalysis”, Technion, Israel “Modifying Ruthenium Olefin Metathesis Catalysts to Achieve New Reactivities”
July, 2017	ISOM XXII (Olefin Metathesis), Zurich, Switzerland “Olefin Metathesis and Light”
March, 2018	Functional Polymers, San Sebastian, Spain “Organometallic nanoparticles: how they came to be, where they are now and where they might go”
May, 2018	54 th Bürgenstock Conference, Brunnen, Switzerland

	“Sunscreen Mediated Selectivity – An Original Concept in Organic Photochemistry”
February, 2019	84 th Annual Meeting of the Israel Chemical Society, Tel-Aviv “Changing the coordinating sphere of ruthenium benzylidenes to achieve new catalytic properties”
June, 2019	ISOM XXIII, Barcelona, Spain “Expected and Unexpected Consequences of Modifying the Ligand Sphere in Sulfur-Chelated Ruthenium Benzylidenes”
September, 2019	Exploring the Frontiers of Chemistry: Challenges for the 21 st Century UBA-BGU 1 st Joint Symposium. Buenos Aires, Argentina “Photochemical activation of latent olefin metathesis catalysts and more”
September, 2022	86 th Annual Meeting of the Israel Chemical Society, Tel Aviv, Israel. Keynote Lecture. “A personal perspective on Ring-Opening Metathesis Polymerization”
October, 2022	The Bat Sheva de Rothschild Seminar on Strong Bond Activation, Ein Gedi, Israel “Changing the Ligand Sphere in Ruthenium Benzylidenes or How Small Changes Can Lead to Radically Different Results”

Seminar presentations at Universities and Institutions

November, 2005	Bar-Ilan University, Israel
December, 2005	Technion, Israel
February, 2006	Chemada Inc., Israel
May, 2006	Weizmann Institute, Israel
March, 2007	University of Buenos Aires, Argentina
April, 2007	Tel-Aviv University, Israel
June, 2007	Hebrew University of Jerusalem, Israel
July, 2007	University of Utah, United States of America
May, 2008	University of Heidelberg, Germany
November, 2008	Biotechnology Department, BGU, Israel
December, 2008	Institute of Chemical Research of Catalonia (ICIQ), Tarragona, Spain
December, 2008	Laboratoire de Chimie de Coordination CNRS, Toulouse, France
September, 2009	University of Buenos Aires, Argentina

March, 2010	University of Cadiz, Spain
March, 2010	Instituto de Investigaciones Quimicas, CSIC, Sevilla, Spain
May, 2010	Casali Institute, Hebrew University of Jerusalem
March, 2011	University of Illinois, Urbana-Champaign, USA
March, 2011	Purdue University, USA
March, 2011	University of Illinois, Chicago, USA
June, 2012	Bar Ilan University, Israel
November, 2013	Tel-Aviv University, Israel
October, 2014	University of Illinois, Urbana-Champaign, USA
November, 2014	University of Sussex, England
November, 2014	Durham University, England
November, 2014	University of Edinburgh, Scotland
November, 2014	University of Strathclyde, Glasgow, Scotland
November, 2014	University of St. Andrews, Scotland
October, 2015	Institut für Anorganische und Analytische Chemie Westfälische Wilhelms-Universität Münster, Germany
December, 2015	Technion Institute of Technology, Israel
April, 2016	University of Illinois, Urbana-Champaign, USA
October, 2016	Technische Universität Braunschweig, Braunschweig, Germany
August, 2017	University of Illinois, Urbana-Champaign, USA
August, 2017	Georgetown University, Washington DC, USA
February, 2018	University of Maryland, College Park, USA
February, 2019	University of Illinois, Urbana-Champaign, USA
March, 2019	The George Washington University, Washington DC, USA
June, 2019	Chemistry Department, Ben-Gurion University of the Negev
November, 2019	Boston College, Boston, USA
January, 2020	Yale, New Haven, USA

• Patents

1. Vidavsky, Y.; Aharoni, A. and Lemcoff, N.G. Filed P-9965-USP//Title: Artificial marble and methods. App. No. 61/016,582 **2008**.
2. Ben-Asuly, A. and Lemcoff, N.G. Sulfur chelated ruthenium compounds useful as olefin metathesis catalysts. U.S. Pat. Appl. Publ. **2010**, US 2010113722 A1 20100506.
3. Vidavsky, Y.; Yudovin-Farber, I.; Saha, S.; Ginzburg, Y.; Ben-Asuly, A. and Lemcoff, N.G. Filed Three-Dimensional Inkjet Printing Using Dicyclopentadiene Compounds Polymerizable By Ring-Opening Metathesis Polymerization. PCT Int. Appl. **2017** WO 2017068590 A1 20170427.
4. Saha, S.; Ginzburg, Y.; Ben-Asuly, A. and Lemcoff, N.G. Filed Dicyclopentadiene Derivatives and Polymers Thereof. PCT Int. Appl. **2017** WO 2017068588 A1 20170427.

• **Research Grants (US\$) -**

2004	Toman Start-up Grant. (140,000)
2005-2008	Israel Science Foundation, Personal Research Grant (180,000)
2006	Israel Science Foundation, New Faculty Equipment Grant (128,000)
2005-2008	Industrial Research Grant, Caesar Stone (46,000)
2005-2007	Binational Science Foundation Start-up Grant (Israel-USA) (60,000) In collaboration with Prof. Illya Zharov, University of Utah
2007-2008	German-Israeli Foundation, Young Scientist Grant (32,000)
2008-2010	Edmond J. Safra Research Grant (2,000,000) In collaboration with Gonen Ashkenasy, Michael Meijler, Ashraf Brik, Nurit Ashkenasy and Lital Alfonta, Ben-Gurion University of the Negev
2009-2011	Mafat Research Grant (73,000) In collaboration with Prof. Yuval Golan and Dr. Amir Berman, BGU
2009	ISF Institutional Equipment Grant (480,000) for purchase of NMR In collaboration with Prof. Daniel Kost and Prof. Ira Weinstock, BGU
2008-2009	Industrial Research Grant, Eden Oils (40,000), with Prof. Sarina Grinberg
2009-2013	Israel Science Foundation, Personal Research Grant (235,000)
2014	Bromine Chemicals (ICL) Industrial Research Grant (15,000)
2011-2015	Binational Science Foundation (188,000), with Prof. Steven C. Zimmerman
2011-2015	US Army and MAFAT Research Grants (140,000), In collaboration with Prof. Yuval Golan and Dr. Amir Berman, BGU
2014-2015	Makhteshim-Agan (Adama) Industrial Research Grant (20,000)
2014-2017	Printel Magnet – (300,000).
2013-2017	FTA Research Grant– (6,500,000), in collaboration with group of 12 researchers, project leader Prof. Gabby Sarusi (~500,000 for our group)
2014-2018	Israel Science Foundation, Personal Research Grant (320,000)
2015-2019	Binational Science Foundation (180,000), with Prof. Steven C. Zimmerman
2015-2018	FIRST Grant (Bikura), Israel Science Foundation (315,000), with Dr. Ofer Reany
2016	ISF Institutional Equipment Grant (314,000) for purchase of single crystal X-ray equipment. In collaboration with Prof. D. Pappo and Prof. I. Weinstock, BGU
2017-2019	Kamin Grant, Israel Innovation Authority (125,000/y)
2018-2022	Israel Science Foundation, Personal Research Grant (342,000)
2021-2025	Binational Science Foundation (270,000), with Prof. Steven C. Zimmerman
2022-2024	Kamin Grant, Israel Innovation Authority (150,000/y)

