

Curriculum Vitae - Israel Schechter

Office address: Department of Chemistry, Technion, Haifa 32 000, Israel.
Tel. & Fax.: 04-292579, Email: israel@tx.technion.ac.il
Internet home-page: <http://www.technion.ac.il/technion/chemistry/staff/schechter/>

PERSONAL:

Born: 1954, Romania. (Immigrated to Israel on 1963.)
Citizenship: Israeli. (ID.: 06869454/6)
Military Service: 1976 - 79, Major (res.)

ACADEMIC DEGREES:

1982 - 87 : Ph.D. in Chemistry, The Hebrew University of Jerusalem.
"Kinematic and Dynamic Constraints in Molecular Collisions."
1972 - 75 : B.Sc. *cum Laude* in Chemistry and Physics, The Hebrew University of Jerusalem.

DATES OF ACADEMIC APPOINTMENTS:

2014 : Abronson Family Academic Chair in Chemistry.
2005 : Professor at the Department of Chemistry, Technion, Israel.
1999 : Associate Professor at the Department of Chemistry, Technion, Israel.
1993 : Senior Lecturer at the Department of Chemistry, Technion, Israel.
1991 : Minerva Research Fellow.
Max Planck Institute for Quantum-Optics, Garching, and
Technical University of Munich, Germany.
1991 : Senior Research Fellow at the Institute of Chemistry,
The Hebrew University of Jerusalem.
1988 : Research Associate (Fritz Haber Research Fellow)
The Institute of Chemistry, The Hebrew University of Jerusalem.

TEACHING EXPERIENCE:

Frontal courses:

- General Chemistry
- Analytical Chemistry I (Major / Minor)
- Analytical Chemistry II (Major / Minor)
- Application of Lasers in Analytical Chemistry (For graduates)
- Advanced topics in Analytical chemistry (For graduates)
- Environmental Chemistry (For graduates. Delivered by several faculty members.)

Laboratories:

- Analytical Laboratory I (Major / Minor)
- Analytical Laboratory II (Major / Minor)
- Advanced Analytical Laboratory (For graduates)

ACADEMIC ACTIVITIES:

Departmental Activities

2004 - 06 : Vice-dean for research.
2004 - 06 : Head of the committee for departmental reorganization.
2003 - 08 : Head of the committee for construction and renovation of research labs.
2002 - 06 : Coordinator of the Environmental Science teaching program.

2002 - 08 : Coordinator of the physical development of the department.
 2002 - 07 : Member of the committee for laboratories and offices space.
 2001 - 02 : Member of the committee for construction of new student laboratories.
 1999 : Head of the Chemical Research Center.
 1999 - 03 : Coordinator of the Departmental Relations with Industry.
 1996 - 06 : Academic coordinator of students' analytical laboratories.
 1994 - 04 : Member of the Academic Development Committee.

Technion Activities

2016 - 18 : Member of the Technion research committee.
 2016 - 17 : Member of the search committee for all-Technion deans.
 2016 - : Head. Program of Chemistry, GTIIT
 2015 - : Member of preparatory committee of GTIIT faculty nominations.
 2014 - 18 : Member of the steering committee for establishment of Gunadong-Technion – Israel Institute of Technology (GTIIT).
 2013 - : Chairman of professional committees for tenure and promotion.
 2011 - 12 : Member of Technion tenure and promotion committee.
 2010 - 12 : Member of the Technion computation advisory committee.
 2005 - 13 : Member of the Technion Senate.
 2002 - 07 : Head of the Equipment Committee, Grand Water Research Institute, Technion.
 2002 - 04 : Member of the GWRI committee for construction of new research labs.
 1994 - 01 : Member of the Equipment Committee, Grand Water Research Institute.
 1994 : Coordinator of the “Environmental Forum”, Technion.

PUBLIC PROFESSIONAL ACTIVITIES:

2017 - : Chairman, Israel Laboratory Accreditation Authority
 1997 - 04 : President of the Israel Analytical Chemistry Society.
 2016 - :
 2005 - : Member of the Executive Committee of the Israel Analytical Chemistry Society.
 1999 - 03 : Academic coordinator of the “Chimiada” – Israeli Olympiad in Chemistry.
 1998 - 04 : Israel representative in The Federation of European Chemical Societies – The Division of Analytical Chemistry.
 1997 - 99 : Member of the Executive Committee of the Israel Chemical Society.

EDITORIAL BOARDS

1997 - : Editor-in-chief of the international journal “Reviews in Analytical Chemistry”.
 2003 - : Editorial board of “Research Journal of Chemistry and Environment”
 2007 - : Editorial board of “Nirma University Research Journal”
 2008 - : Editorial board of “Advances in Analytical Chemistry”
 2008 - : Editorial board of “Rasayan Journal of Chemistry”
 2008 - : Editorial board of “International Journal of Analytical Chemistry”
 2010 - : Editorial board of “Global Journal of Analytical Chemistry”
 2014 - : Editorial board of “Journal of Applied and Laser Spectroscopy”
 2018 - : Editorial board of “American Journal of Physical Chemistry”
 2020 - : Editorial board of “Molecules”

AWARDS:

2015: The Hershel Rich Technion Innovation Award.
2014: The Israel Chemical Society Prize for Technological Innovation.
2012: The Schulich Prize for Excellence in Teaching.
2009: The Muriel and David Jacknow Award for Excellence in Teaching.
2009: The Schulich Award for special departmental activities.
2008: President Distinction for Excellence in Teaching.
2008: The Schulich Prize for Excellence in Teaching.
2000: The Mitchell Entrepreneurial Award.
1999: The Hershel Rich Technion Innovation Award.
1995: The Gutwirth Award for Excellent Research. (A Technion award.)
1995: The Mitchell Soref Entrepreneurial Award.
1994: The Hershel Rich Technion Innovation Award.
1993: The Koebner-Klein award.
1991: The Minerva Fellowship.
1988: The Fritz Haber Prize for excellence in research.

GRADUATE STUDENTS (M.Sc. Supervising): 20 (3 in progress)

GRADUATE STUDENTS (Ph.D. Supervising): 18 (3 in progress)

SUPERVISED POST DOCTORATE STUDENTS AND SCIENTISTS: 25 (6 in progress)

RESEARCH GRANTS (When grants were obtained in collaboration, only my part is counted.)
Over 60 grants. Multiannual average: > \$250,000

ORAL PRESENTATIONS IN CONFERENCES AND CONGRESSES:

Over 60 invited/keynote/plenary lectures

ORGANIZATION OF MEETINGS

Chairman of 7 conferences

Member of the organizing committees of 52 conferences

REFEREED PAPERS PUBLISHED IN PROFESSIONAL JOURNALS: 114

CHAPTERS IN BOOKS / ENCYCLOPEDIAS / REVIEW PAPERS: 12

BOOKS / EDITED VOLUMES: 6

PATENTS: 8

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS: 23

Current group members:

M.Sc. students

Guy Moldovan
Sara Schory
Neta Caspin

Ph.D. Students

Daniel Fisher
Tzachi Sabati
Hila Rubinstain

SUPERVISED POST DOCTORATE STUDENTS AND SCIENTISTS

Dr. Valery Bulatov
Dr. Salah Hassoon
Dr. Vladimir Gridin
Dr. Tihon Filippov
Dr. Shisong Tang
Dr. Roman Schuetz