

**Abraham Nitzan, Curriculum Vitae, March 2020**

Born: 1944, TEL AVIV, ISRAEL  
 ZAHAL (Israeli) Military Service: 1966-1969  
 Marital Status (No. of children): Married, 2 children

**EDUCATION**

1961-1964	Hebrew University, Jerusalem	Chemistry	B.Sc. Summa cum laude
1964-1965	Hebrew University, Jerusalem	Chemistry	M.Sc. Summa cum laude
1970-1972	Tel-Aviv University	Chemistry	Ph.D. Summa cum laude

**ACADEMIC AND PROFESSIONAL EXPERIENCE**

Period	Institute	Department	Function
1972-1974	M.I.T.	Chemistry	Research Assoc.
1974-1975	Univ. of Chicago	Chemistry	Research Assoc.
1974-1975	Northwestern Univ	Chemistry	Assistant Prof
1975-1981	Tel Aviv University	Chemistry	Assoc. Prof.
1981- <small>Emeritus since 2013</small>	Tel Aviv University	Chemistry	Professor
1984-1987	Tel Aviv University	Chemistry	Chairman
1990-1991	Weizmann Institute	Chemistry	Professor
1995-1998	Tel Aviv University	Sackler Faculty of Exact Sciences	Dean
2003-2014	Tel Aviv University	Sackler Institute of Advanced Studies	Director
2006-2012	Northwestern Univ.	Chemistry	Adjunct Prof.
2015 -	University of Pennsylvania	Chemistry	Professor

**VISITING APPOINTMENTS**

Bel Laboratories (USA, 1979-80), Allied Chemical Laboratories (USA, 1979), Northwestern University (USA, since 1981), CNRS and Univ. de Paris Sud (France, 1977, 1983), University of California Santa Barbara (USA, 1982), KFA Julich (Germany, 1985, 1995), Georgia Tech (USA, 1989), Univ of Konstanz (Germany, 1995, 2009-14), MPI f. Astrophysik (Garching, Germany, 1995)), POSTECH (Pohang, S. Korea, 1998), Duke University (USA, 2007), Univ. of Colorado Boulder (USA, 2007), Technion (Israel, 2009), Kavli Institute of Theoretical Physics (Beijing, 2012), Department of Chemistry, University of Pennsylvania (Philadelphia, USA, 2014), Department of Physics, Free University Berlin (Berlin, Germany, 2014-15)

**ACADEMIC AND PROFESSIONAL AWARDS AND DISTINCTIONS**

1970-72	Tel Aviv University	Studies Awards
1972-75	U.S.A	Fullbright Fellow
1976-	Tel Aviv University	Research Grants (Israel NSF, US-Israel BSF, etc.)
1990	American Physical Society	APS Fellow
1992	Tel Aviv University	Riwka (nee Schechter) and Iser Kodesz Chair of

		Chemical Dynamics
1995	Germany	Alexander von Humboldt Award
1995	Technion	Kolthoff Prize
2003	Israel Chemical Society	Israel Chemical Society Award
2004	American Association for the Advances of Science	AAAS Fellow
2004	Technical University, Munich	Manchot Award
2006	American Academy of Arts and Sciences	Foreign Honorary Member
2008	European Research Council	ERC Advanced Grant
2009	Israel Academy of Sciences and Humanities	Member
2010	Israel	Israel Prize in Chemistry
2010	Univ. of Konstanz (Physics), Germany	Honorary Doctorate (Dr. Honoris Causa)
2011	Thomson Reuters list of top 100 chemists over the period 2000-2010 as ranked by the impact of their published research	
2011	Univ. of Chicago, USA	Mulliken Lecture & medal
2012	Israel	EMET Prize
2014	University of Pennsylvania	Ralph and Lucy Hirschmann Visiting Professor
2014	University of Pittsburgh	Kaufman Lecturer
2014-15	Free university Berlin	Mercator Visiting Professor
2015	Israel Chemical Society	Israel Chemical Society Medal
2015	National Academy of Sciences (USA)	Foreign Associate
2015	University of California, Berkeley	Pitzer Lecture
2017	University of Wisconsin	Hirschfelder Prize in Theoretical Chemistry
2018	University of Pennsylvania	Donner Professor of Physical Sciences
2019	American Physical Society	Earle K. Plyler Prize for Molecular Spectroscopy & Dynamics
2020	American Chemical Society	ACS Award in Theoretical Chemistry

### **EDITORIAL BOARDS**

Editorial Board, Journal of Physical Chemistry – 2002-2005  
 Editorial Board, Computational and Theoretical Nanoscience – since 2004  
 Divisional Associate Editor, Physical Review Letters 2006 – 2012  
 Editorial Board, Journal of Chemical Physics 2007 – 2010  
 Editorial Board, Israel Journal of Chemistry since 2010

### **STUDENTS**

25 Graduate students and 23 postdocs supervised as of March 2020

**PUBLICATIONS**

**PATENTS:** Chemical processing using electromagnetic field enhancement (with L.E. Brus)  
U.S.A patent 4481091, Nov,6,1984.

**BOOKS:** A. Nitzan, Chemical Dynamics in Condensed Phases, Oxford University Press,  
2006 (744 pages)

**ARTICLES:** Over 360 articles in professional Journals

**TEACHING**

General Chemistry, Physical Chemistry, Statistical Mechanics, Solid state physics, Chemical dynamics in Condensed Phases, Numerical methods

**OUTREACH**

Lectures in highschools, Chairman: National committee on highschool chemistry studies (1988-94)