

## CURRICULLUM VITAE

• **Personal Details:**

Name: Zilbermann Israel-Sorin

Address: 4 Hamered Str., Beer-Sheva, 84760, Israel

Tel: 972-8-6491693; Mobile: 972-50-6244328

Present Employment: Chemistry Dept., NRCN, POB. 9001, Beer-Sheva, 84190, Israel

Tel: 972-8-6568173; Fax: 972-8-6568686

Email: [israelz2003@gmail.com](mailto:israelz2003@gmail.com)

Date & place of birth: 01.09.1964, Galatz, Romania

Immigration to Israel: 01.08.1978

Army service: 31.1.1983-01.11.1985

Family sit.: married + 2 children

• **Education:**

**1985-1988:** B.Sc. in Chemistry at Ben Gurion University of the Negev, Beer-Sheva, Israel

**1988-1990:** M.Sc. in Chemistry at Ben Gurion University of the Negev, Beer-Sheva, Israel

**1990-1994:** Ph.D. in Chemistry at Ben Gurion University of the Negev, Beer-Sheva, supervised by: Prof. D.Meyerstein and Prof. H.Cohen

**Thesis subject:** Redox reactions of nickel macrocyclic complexes in aqueous solutions

• **Employment:**

**2018-present:** Head of the Radiation Chemistry group

**2018(May)-present:** Adjunct Assoc. Prof., Chemistry Dept., Ben-Gurion Univ. of the Negev

**2010 – 2018:** Head of the Inorganic Chemistry Dept., Chemistry Dept., NRCN

**2006 – 2010:** Head of the Solution and Radiation Chemistry Group, Chemistry Dept., NRCN

**2002 – 2003:** Visiting Senior Researcher, Radiation Lab., Univ. of Notre Dame, USA

**1998 – 2002:** Senior Research Scientist, Chemistry Dept., NRCN

**1994 – 1998:** Research Scientist, Chemistry Dept., NRCN

• **Educational Activities**

(a) Teaching:

**2000-2002; 2012-present** – General Chemistry Laboratory Supervisor for Chemistry and Life Science students (voluntary )

(b) Research Students:

Towards Ph.D. degree in Chemistry at Ben-Gurion University of the Negev:

1. Dr. Dror Shamir (co-supervisor Prof. Dan Meyerstein) – graduated 2007

2. Dr. Guy Yardeni (co-supervisor Prof. Dan Meyerstein and Dr. Eric Maimon) – graduated 2012
3. Dr. Inna Popivker (co-supervisor Prof. Dan Meyerstein) – graduated 2013
4. Dr. Ronen Bar Ziv (co-supervisor Prof. Dan Meyerstein) – graduated 2015
5. Dr. Amir Mizrahi (co-supervisor Prof. Dan Meyerstein) – graduated 2015
6. Dr. Ludmila Pochtarenko (co-supervisor Prof. Dan Meyerstein) – graduated 2015
7. Mr. Tzion Raz (co-supervisor Prof. A. Bettelheim)-on going
8. Mr. Gev Dovrat -(co-supervisor Prof. A. Bettelheim)-on going
9. Ms. Ana Lerner - (co-supervisor Prof. Dan Meyerstein) –on going
10. Mr. Asaf Nissim- -(co-supervisor Prof. A. Bettelheim)-on going

Towards M.Sc. degree in Chemistry at Ben-Gurion University of the Negev:

1. Mr. Ronen Bar Ziv (co-supervisor Prof. Dan Meyerstein) – finished 2006
2. Ms. Ludmila Puchtarenko (co-supervisor Prof. Dan Meyerstein) – finished 2009
3. Ms. Lena Mikhailovich (co-supervisor Prof. Dan Meyerstein) – finished 2013
4. Ms. Dali Segal (co-supervisor Prof. Dan Meyerstein) – finished 2014
5. Ms. Yulia Moiseev (co-supervisors Prof. A. Bettelheim, Dr. Y. Ben-Elyiahu) – finished 2015
6. Ms. Ana Mesica-Lerner (co-supervisor Prof. Dan Meyerstein)- graduated 2018
7. Mr. Or Yosef (co-supervisor Prof. Dan Meyerstein)-graduated 2019
8. Mr. Gev Dovrat -(co-supervisor Prof. A. Bettelheim)- graduated 2019
9. Ms Helena Epstein -(co-supervisor Prof. A. Bettelheim)-on going

Towards M.Sc. degree-partial project at Radiation Lab., Notre-Dame University(during sabbatical)

1. Mr, Anderson Greg (co-supervisor Dr. Dirk Guldi)-finished 2003.
2. Mr. Andrew Li (co-supervisor Dr. Dirk Guldi)-finished 2003.

**Since 2005:** Supervising about 40 students towards subengineering diploma at the Technological College, Beer Sheva, Israel

- **Awards, Citations, Honours**

- **Memberships/Fellowships**

1. Israeli Analytical Chemical Society
2. Israel Chemical Society
3. Israeli Society for Research of Radicals and Oxygen species
4. American Chemical Society
5. Nominated Israeli representative in the Radiochemistry and Radiation Chemistry Workgroup at E.U. (nomination by the Israel Chemical Society)
6. Member of the Miller Trust on Radiation Chemistry

**• Organizing roles in International Conferences:**

1. Member of the organizing committee of 1st bilateral IAEC+JRC conference at Ein-Gedi, Israel, 2010
2. Member of the organizing committee of 2nd EICC- European Inorganic Chemistry Conference, Jerusalem, Israel 2013
3. Chair of the 28th Miller Conference on Radiation Chemistry, Dead Sea, Israel, 2013
4. Member of the organizing committee of 44th JDA conference at Ein-Gedi, Israel, 2014
5. Member of the organizing committee of the Tihany Conference on Radiation Chemistry, Hungary, 2015
6. Member of the organizing committee of the Tihany Conference on Radiation Chemistry, Vienna, Austria, 2017

**Principle Investigator in following researches:**

**1998-2004:** Transition metals as catalytic reagents in radiation induced damage ( I. Zilbermann, E. Maimon, H. Cohen, D. Meyerstein) - Planning and Budgeting Committee of the Council for Higher education in Israel and Israel Atomic Energy Commission - \$ 150,000

**2004-2009:** Reaction of radicals in solids and concentrated solutions (I. Zilbermann, E. Maimon, H.Cohen, D. Meyerstein) - Planning and Budgeting Committee of the Council for Higher education in Israel and Israel Atomic Energy Commission - \$150,000

**2004-2009:** Novel anion exchangers for the selective extraction of uranium and the redox properties of the latter versus the lanthanide analogues ( I. Zilbermann, E. Maimon, H.Cohen, D. Meyerstein) - Planning and Budgeting Committee of the Council for Higher education in Israel and Israel Atomic Energy Commission, \$160,000

**2007-2012:** Bowl-like compounds as ligands to metals, specific for transition metals, lanthanides and actinides ( J. Koresh, I. Zilbermann, J. Almog)- Planning and Budgeting Committee of the Council for Higher education in Israel and Israel Atomic Energy Commission - \$250,000

**2010 -2015:** Basic Inorganic Chemistry of actinides, lanthanides and transition metal complexes (I. Zilbermann, E. Maimon- R. Caciuffo-ITU,Germany) - JRC European Consortium, \$250,000

**2011-2016:** Coordination Chemistry of actinides and lanthanides complexes (I. Zilbermann, Y. Ben Eliyahu-NRCN- P. Moisy, L. Berthon-CEA) – CEA-IAEC bilateral cooperation, \$250,000

**2017-2022:** Coordination Chemistry of actinides and lanthanides complexes (I. Zilbermann, Y. Ben Eliyahu-NRCN- P. Moisy, L. Berthon-CEA) – CEA-IAEC bilateral cooperation, \$210,000

**2013-2017:** The coordination Chemistry of Vasarenes (I. Zilbermann, J. Almog)- Pazy - IAEC, \$250,000

**2017-2022:** The radiation chemistry of polyaminocarboxylates lanthanides and actinides complexes (I. Popivker, I. Zilbermann-NRCN- P. Moisy-CEA) – CEA-IAEC bilateral cooperation, \$200,000

**2016-2018:** Pulse radiolysis equipment at Ariel University (Pazy Cooperation with the Chemistry Department, Ariel University), \$430,000