

## CURRICULUM VITAE

**Dr. Natalia Zaitsev**

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**Home Address:** Thor St., 2/3 Karmiel 2172200, Israel  
Tel: 972-4-674-4411

**Place of Birth:** former USSR

**Immigrated to Israel:** October 6, 1990

**Marital status:** Married + 1

### EDUCATION

*Ph.D.* 1989 Economics, Central Institute of Economics and Mathematics, the Academy of Science of the USSR, Moscow, Russia

Dissertation: “Estimating Productivity Levels of the “Agriculture – Natural Resources” System (Methodological Aspects)”

*M.Sc.* 1977, Economics and Mathematics, Faculty of Economics, Department of Economic Cybernetics, Rostov-on-Don University, Rostov-on-Don, Russia

Thesis: “The Strategies of the Water Resources Management (Economic Analysis)”

### RESEARCH INTERESTS

Environmental and Resource Economics:

- Valuing Natural Resource Quality
- Corporate Social Responsibility
- Economic Value of an Environmental Asset
- Economic Evaluation of Recreational Benefits

### ACADEMIC EXPERIENCE

1995 – Present      Lecturer, ORT Braude College of Engineering, Karmiel, Israel

1997 – 2005      Adjunct Teacher, Tel Hai Academic College

1996 – 2000      Adjunct Teacher, Western Galilee College, Department of Academic Studies

1993 – 1997      Research Fellow, University of Haifa, Department of Economics, Natural Resources and Environmental Research Center

- 1991 – 1993 Post-Doctorate Program, University of Haifa, Department of Economics, Natural Resources and Environmental Research Center. Supervisor: Prof. M. Shechter.
- 1977 – 1990 Research Fellow, Rostov-on-Don University, Scientific Research Institute of Applied Mathematics and Mechanics, Department of the Mathematical Methods in Economics and Ecology

## **TEACHING EXPERIENCE in Israel**

### **A. ORT Braude College**

#### **Graduate Courses**

- Micro Economic Theory - Producer Theory (new)
- Engineering Economics (new)
- Economics of Biotechnology (new)

#### **Undergraduate Courses:**

- Introduction to Micro Economics
- Introduction to Macro Economics
- Environmental Economics
- Introduction to Economics for Engineers (for all Departments)
- Selected Problems in Economics (elective course)
- Instrumental Enrichment (by Feuerstein Programme)

### **B. Other Universities or Colleges**

#### **Tel Hai Academic College**

#### **Undergraduate Courses:**

- Introduction to Micro Economics
- Introduction to Macro Economics
- Welfare Economics (new course)
- Environmental Economics (new course)

#### **Western Galilee College, Department of Academic Studies**

#### **Undergraduate courses:**

- The History of the Economic Thought: from Biblical Times up to Present Day (new elective course)
- Environmental Economics (new elective course)

## **ACADEMIC AND PROFESSIONAL AWARDS AND GRANTS**

- 1991 – 1993 The Ministry of Science, Israel, research grant for post-doctoral program
- 1991 – 1993 The Ministry of Environment, Israel, a research grant
- 1994 – 1997 The Rashi Fund, a research grant
- 1995 – 1997 The Keren Kayemeth Leisrael research grant
- 2003 Excellence Award, ORT Braude College of Engineering
- 2012 Excellence Award in Teaching, ORT Braude College of Engineering
- 2013 Excellence Award in Teaching, ORT Braude College of Engineering

## **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

The Israel Economic Association

The International Regional Science Association (The Israeli Branch)

The Israel Society of Ecology and Environmental Sciences

## **PROFESSIONAL AND ACADEMIC ACTIVITIES**

### At ORT Braude

- Member, Committee of Lecturers' Excellence, 2017 -
- Head, Excellence Program, - 2014 – 2017
- Academic consultant for candidates in the Department of Industrial Engineering and Management –2014 - present
- Member, Promoting of Learning Committee – 2011-2014
- Academic consultant for first year students in the Department of Industrial Engineering and Management –2002 - 2014
- Chairman of the Organizing Committee of the Workshop "Israel Sustainable" 2009 - 2013
- Member, Sub-Committee at special dates in exams, Academic Affairs Committee, 2011-2012
- Member, Academic Affairs Committee –2006 – 2007, 2009 - 2011
- Member, Green Campus Committee – 2007- 2011, 2013 - 2014
- Member, Development Team of the M.Sc. Program in Energy Engineering, 2008
- Participant in creating the educational program for the B.Sc. in Applied Mathematics (Specialization in Economics – 2006)
- Member, Selection Committee of the Industrial Engineering and Management Department –2002 – 2014
- Responsible for current activity of the Department's Alumni Society – since 2011
- Responsible for establishment and current activity of the ORT Braude College's Friends and Alumni Society – 2000-2007
- Member, Academic Affairs' Committee, Department of Industrial Engineering and Management – 2002 - 2003
- Responsible for the faculty seminar of the Department of Industrial Engineering and Management – 2003 - 2005
- Member, Foreign Relations Committee – 2004-2005
- Member, Scholarship Committee – 2001-2003
- Established and maintaining web sites supporting all graduate and undergraduate courses

### Participation in Organizing Conferences

- Technologies and Environmental Management - Industry is not an Environmental Enemy, ORT Braude College, 24 February 2009, Member of Conference Organizing Committee
- Technologies and Environmental Management - Sewage and Waste Equal to Food and Energy, ORT Braude College, 21 December 2009, Member of Conference Organizing Committee
- Israel Sustainability - Renewable Energy Today, ORT Braude College, 6 April 2011, Chairperson of Conference Organizing Committee
- Israel Sustainability - Alternative Fuels, ORT Braude College, 14 January 2013, Chairperson of Conference Organizing Committee
- The 9th Interdisciplinary Research Conference, ORT Braude College, 2-3 October 2013, Member of Conference Organizing Committee
- Center, Periphery and Regional Development - Theory and Policy Applications, Annual Conference of Israeli Association of Regional Science, ORT Braude College, 28 January 2014, Member of Conference Organizing Committee

### *Conferences*

- 58<sup>th</sup> Congress of the European Regional Science Association, Cork, Ireland, 28 - 31 August 2018.
- 41<sup>st</sup> Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, 7-9 October 2013.
- Annual Conference of the European Regional Science Association, Israeli Branch, Faculty of Business & Management, Ben-Gurion University of the Negev, Beer-Sheva, 30 January 2013.
- 5<sup>th</sup> Annual Galilee Quality Conference "Quality - Theory and Practice", ORT Braude College, Israel, 15 May 2012.
- Annual Conference of the European Regional Science Association, Israeli Branch, Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, 7 February 2012.
- 51<sup>st</sup> Congress of the European Regional Science Association, Barcelona, Spain, 30 August–3 September 2011.
- 39<sup>th</sup> Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Kibbutz Ein-Hashofet, 27-28 June 2011.
- Conference Study Days: 50 Years after Draining the Hula Valley, 11-12 April, 2001, Upper Galilee.
- 40<sup>th</sup> Congress of the European Regional Science Association, Barcelona, Spain, 29 August–2 September 2000.

- Regional Economic Development: Partnerships for the Development of Regional Economic Initiatives, Conference II, 16 February, 2000, ORT Braude College, Israel.
- Annual Meeting of the Israel Economic Association, Jerusalem, May 1998.

University of Haifa, Department of Economics, Natural Resources and Environmental Research Center

Conferences

- 28th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Haifa, June 1997
- Sixth International Conference “Preservation of Our World in the Wake of Change”, Jerusalem, July 1996
- Annual Meeting of the Israel Economic Association, Beer-Sheva, December, 1995
- 25th Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Tel Aviv, May 1994

Rostov-on-Don University, Scientific Research Institute of Applied Mathematics and Mechanics, Department of Mathematical Methods in Economics and Ecology

- Giving lectures about Environmental Economics for professional groups

Conferences

- Annual Conference of the Scientific Research Institute of Applied Mathematics and Mechanics, Rostov-on-Don University, Russia, October, since 1984 up to 1989
- The All Union Conference of Young Economics Scientists “Sustainable Regional Development and Acceleration of Scientific and Technical Progress”, Agriculture Academy of the USSR, Novosibirsk, June, 1986
- The All Union Conference “Natural Resources: Planning and Management Methods”, Academy of Science of the USSR, Tbilisi, 1985
- The All Union Conference “Theory, Methods and Experience of System Analysis”, Moscow, January, 1984

## **LIST OF PUBLICATIONS**

### **D. Refereed Papers**

1. Natalia Zaitsev and Shuki Dror, A Corporate Social Responsibility (CSR) Model - A QFD Based Approach. Total Quality Management & Business Excellence, DOI: 10.1080/14783363.2017.1416286. Published online 17 Dec 2017: <https://doi.org/10.1080/14783363.2017.1416286>.

2. Natalia Zaitsev and Shuki Dror, Water Quality Function Deployment. *Quality Engineering*, 25:4, 356-369, 2013.
3. Shechter, M., B. Reiser and N. Zaitsev, Measuring Passive Use Value: Pledges, Donations and CV Responses in Connection With an Important Natural Resource. *Environmental and Resource Economics*, Volume 12, No. 4, pp. 57-478, 1998.
4. Nevo, S., N. Zaitsev, M. Shechter, and B. Reiser, Existence Value of an Environmental Asset, *Economic Quarterly*, No. pp. 263-283 (on Hebrew), 1997.
5. Shechter, M., N. Zaitsev, B. Reiser and S. Nevo, On Valuing Natural Resource Damages. *Preservation of Our World in the Wake of Change*. Jerusalem, pp. 658-660, 1996.
6. Baron, M., N. Zaitsev and M. Shechter, Forecasting the Expected Recreational Benefits in the Hula Project. *Preservation of Our World in the Wake of Change*. Jerusalem, pp. 343-349, 1996.

#### **E. Extended Proceedings (peer reviewed)**

1. Baron, M. and N. Zaitsev, Forecasting the Number of Visitors in a Unique Recreational Site – A Retrospective View. *Reports of 51<sup>st</sup> Congress of the European Regional Science Association*, Barcelona, Spain, August, 30 – September, 3, 2011.

#### **F. Conference Proceedings and Abstracts**

1. Zaitsev, N. and S. Dror, Water Quality Function Deployment, 41<sup>st</sup> Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, 7-9 October 2013. (In Hebrew).
2. Zaitsev, N. and S. Dror, Water QFD, Annual Conference of the European Regional Science Association, Israeli Branch, Faculty of Business & Management, Ben-Gurion University of the Negev, Beer-Sheva, 30 January 2013. (In Hebrew).
3. Dror S. and N. Zaitsev, Water QFD, 5<sup>th</sup> Annual Galilee Quality Conference "Quality - Theory and Practice", ORT Braude College, Israel, 15 May 2012.
4. Baron, M. and N. Zaitsev, Forecasting the Number of Visitors in a Unique Recreational Site – A Retrospective View. Annual Conference of the European Regional Science Association, Israeli Branch, Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, 7 February 2012. (In Hebrew).
5. Baron, M. and N. Zaitsev, A Retrospective View of Forecasting the Number of Visitors in the Agmon Ahula Recreational Site. 39<sup>th</sup> Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences, Kibbutz Ein-Hashofet, 27-28 June 2011. (In Hebrew).

6. Baron, M. and N. Zaitsev, Sustainable Regional Development: A Case Study, the Hula Project, Israel. *Reports of 40<sup>th</sup> Congress of the European Regional Science Association*, Barcelona, Spain, August 28 – September 1, 2000. 17 pp.
7. Baron, M. and N. Zaitsev, Sustainable Regional development via Outdoor Recreation. Abstracts of the 2<sup>nd</sup> Conference: Regional Economic Development: Partnerships for the Development of Regional Economic Initiatives, Karmiel, 16 February, 2000.
8. Baron, M., N. Zaitsev and M. Shechter, WTP and the Rationality of Consumers Regarding Outdoors Recreation. *Reports of the 11<sup>th</sup> International Conference of Women Engineers and Scientists "Science and Technology for Global Ecology"*, 5pp. Chiba, Japan, 24-27 July 1999.
9. Baron, M., N. Zaitsev and M. Shechter, Sustainable Regional Development via Recreating a Marsh. 1998. *Reports of the Australian and New Zealand Regional Science Association Conference*, pp. 18-19. Tanunda, South Australia. September, 1998.
10. Baron, M., N. Zaitsev and M. Shechter, Expected Recreational Benefits of the Hula Project. Israel Society for Ecology and Environmental Quality Sciences. Haifa, pp. 2, 1997 (in Hebrew).
11. Shechter, M. and N. Zaitsev, Economic Evaluation of Ecological Resource Damage. Abstracts of the 25<sup>th</sup> Annual Meeting of the Israel Society for Ecology and Environmental Quality Sciences. pp. 102. Tel Aviv, May 3-4, 1994 (in Hebrew).
12. Zaitsev, N., Economic Efficiency of the Environment Preservation in the Rostov Region. Collected Reports of the Annual Conference: "*Mathematical Simulation in the Problems of Rational Use of Natural Resources*". Scientific Research Institute of Mechanics and Applied Mathematics, Rostov-on-Don, 1989 (in Russian).
13. Zaitsev, N., Field Crop Productivity of the Winter-Wheat in the Rostov Region's Environmental Conditions. Collected reports of the Annual Conference: "*Mathematical Simulations in the Problems of Rational Use of Natural Resources.*" Scientific Research Institute of Mechanics and Applied Mathematics, Rostov-on-Don, 1988 (in Russian).
14. Zaitsev, N., Evaluation of Interaction Processes of the Agriculture and Natural Resources Systems. Collected reports of Annual Conference: "*Mathematical Simulations in the Problems of Rational Use of Natural Resources.*" Scientific Research Institute of Mechanics and Applied Mathematics, Rostov-on-Don, 1987 (in Russian).
15. Zaitsev, N., Project Evaluation of Agricultural Development as a Part of Regional Natural-Industrial Potential. Collected Reports of the Conference "*Working Up and Application of Computer Techniques*". Taganrog, Russia, 1986 (in Russian).
16. Zaitsev, N., Industrial Perspectives and Regional Agriculture Development. Collected reports of Annual Conference: "*Mathematical Simulations in the Problems of Rational Use of Natural Resources.*" Scientific Research Institute of Mechanics and Applied Mathematics, Rostov-on-Don, 1986 (in Russian).
17. Zaitsev, N., Cost-Benefit Analysis of Agricultural Development under Environmental Conditions' Impact. Collected reports of Annual Conference:

*“Mathematical Simulations in the Problems of Rational Use of Natural Resources.”* Scientific Research Institute of Mechanics and Applied Mathematics, Rostov-on-Don, 1985 (in Russian).

18. Zaitsev, N., Economic Evaluation of the Relationships between Agricultural Perspectives and Natural Resources Limited. Collected Reports of the All Union Conference *“Natural Resources: Planning and Management Methods”*, Academy of Science of the USSR, Moscow, 1985 (in Russian).
19. Zaitsev, N., Regional Agricultural Planning Regarding the Ecological Impact. Collected reports of Annual Conference: *“Mathematical Simulations in the Problems of Rational Use of Natural Resources.”* Scientific Research Institute of Mechanics and Applied Mathematics, Rostov-on-Don, 1984 (in Russian).
20. Zaitsev, N., Regional “Input – Output” Model with the Ecological Limits. Collected Reports of the All Union Conference *“Theory, Methods and Experience of System Analysis”*, Moscow, January, 1984 (in Russian).

#### **G. Other Publications**

1. Baron, M., N. Zaitsev and M. Shechter, Expected Recreational Benefits of the Hula Project: Economic Analysis. Final Report. Submitted to the Hula Project Authority. 63 pp. 1997.
2. Economic Assessment of Ecological Resource Damage. Scientific Report submitted to the Ministry of Science and Technology of Israel; two volumes, 1993.
3. Zaitsev, N. Impact of Local Environmental Conditions on Agriculture. Deposit with the Funds of All-Union Institute of Scientific and Economic Researches in Agriculture. Moscow. 1988. - N 16 BC 89. Dep. 30.12. 1988, 35 pp. (in Russian).