

9/20/12

CURRICULUM VITAE - JOSEPH TZELGOV

1. PERSONAL DETAILS

Name: Joseph Tzelgov
Date and Place of Birth: May 24, 1946, Zgierz, Poland
Military service: 1965-1967
Marital status: Married, two children
Address at work: Ben-Gurion University of the Negev
Beer-Sheva, 84105, ISRAEL
Tel.: 972-8-6461392; Fax: 972-8-6472072
E-mail: Tzelgov@bgu.ac.il; Home-Page: <http://www.bgu.ac.il/~tzelgov/>

Address at home: 4/60Yohanna Zabotinsky Av. Beer-Sheva, 84258 ISRAEL
Telefax.: 972-8-6109420; Mobile 972-52-3969601

2. EDUCATION

B.A. 1967-1971 Ben-Gurion University of the Negev, Israel
M.A. 1971-1974 Hebrew University, Jerusalem, Israel, Psychology
Name of advisor: Michael Kubovy
Title of thesis: A test of a model of judged complexity
Ph.D. 1974-1980 Hebrew University, Jerusalem, Israel, Psychology
Names of advisors: David Navon, Amos Tversky
Title of thesis: The relationship among stimulus components in memory for the human face.

3. EMPLOYMENT HISTORY

2005 (Oct.) - 2009 President, Achva Academic College under the auspices of BGU and President Elect Achva Academic Campus
2001 - 2001 Visiting Scholar, Department of Psychology, Vanderbilt University, Nashville, TN

- 1997 - Professor, Department of Behavioral Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.
- 1996- 1997 Visiting Scholar, Unit of Theoretical and Experimental Psychology, University of Leiden, Leiden, the Netherlands (four months).
- 1993 - 1993 Visiting Scholar, Division of Life Sciences, Scarborough Campus, University of Toronto (six weeks).
- 1991 - 1997 Associate Professor, Department of Behavioral Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.
- 1991 - 1991 Visiting Scholar, Department of Psychology, University of Illinois at Urbana Champaign (two months).
- 1984 - 1991 Senior Lecturer, Department of Behavioral Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.
- 1982 - 1984 Lecturer, Department of Behavioral Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.
- 1981 - 1982 Visiting Scientist, Man-Machine Systems Laboratory, Department of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts.
- 1979 - 1981 Lecturer, Department of Behavioral Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.
- 1973 - 1979 Instructor, Department of Behavioral Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.
- 1971 - 1973 Researcher, Military Psychological Unit, Israel Defense Forces, Israel.

4. PROFESSIONAL ACTIVITIES

a. Positions in academic administration

- 1982 - 1985 Member, Ben Gurion University Committee of Computer Activity.
- 1982 - 1984 Member, the Faculty of Social Sciences and Humanities Research Funds Committee, Ben Gurion University.
- 1984 - 1986 Chair, the Faculty of Social Sciences and Humanities Research Funds Committee, Ben Gurion University.
- 1986 - 1988 Member, the Faculty of Social Sciences and Humanities Teaching Committee, Ben Gurion University.

Joseph Tzelgov

- 1989 - 1991 Chair, the Faculty of Social Sciences and Humanities Teaching Committee, Ben Gurion University.
- 1991 - 1993 Chair, the Department of Behavioral Sciences, Ben Gurion University.
- 1993 - 1995 Member, the Faculty of Social Sciences and Humanities MA Committee, Ben Gurion University.
- 1993 - 1995 Member, Ben Gurion University Committee of Computer Activity.
- 1994 - 1995 Academic Coordinator, Achva Regional College.
- 1997 - 2001 Member, the Faculty of Social Sciences and Humanities Appointments Committee.
- 1997 - 2001 Member, the Faculty of Social Sciences and Humanities Teaching Committee, Ben Gurion University.
- 1999 - 2001 Member, the Blaustein Institute for Desert Research Appointment Committee.
- 2000 - 2001 Member, PhD Committee, Ben Gurion University
- 2001 - 2005 Chair, the Faculty of Social Sciences and Humanities PhD Committee.

b. Professional functions outside university

- 1987 - 1991 Member, Board of Directors, the National Institute for Testing and Evaluation.
- 1987 - 1991 Member, Permanent Committee, National Institute for Testing and Evaluation.
- 1987 - 1991 Member, Inter-university Admission Policy Committee.
- 1992 - 2005 Member, Editorial Board: Megamot.
- 1994 - Member, Board of Directors, the National Institute for Testing and Evaluation.
- 1994 - 2005 Member, Permanent Committee, National Institute for Testing and Evaluation.
- 1994 - 2005 Member, Inter-university Admission Policy Committee.
- 1994 - 1994 Member, Steering Committee for the Evaluation of the "Thirty settlements project", Chief Scientist Office, Ministry of Education.

- 1994 - 1994 Member, Steering Committee of "Retaining Skills" project, Field Forces Command, IDF.
- 1994 - 1995 Member, Committee for Psychology, Israel Research Foundation, Israeli Academy of Sciences.
- 1995 - 1995 Chair, Organizing Committee, the third Conference of the Israeli Society of Cognitive Psychology.
- 1995 - Member, Editorial Board: *Czasopismo Psychologiczne* (Poland).
- 1995 - Member, the Higher Education Council and National Academy of Science Committee for the Availability of Higher Education.
- 1996 - Member, International Scientific Advisory Committee, National Institute for Testing and Evaluation.
- 1997 - 1999 Member, the Higher Education Council Committee for the accreditation of the Department of Behavioral Sciences at Natanya College.
- 1998 - 2005 Member, The Academic Council, The Open University.
- 1998- 1999 Member, The VERA (Council of University Chairmen) Committee for evaluating changes in the Matriculation Exams (Bagrut).
- 1999 - 2000 Member, Steering Committee for the "Evaluation of Intervention" project, Chief Scientist Office, Ministry of Education.
- 2000 - 2002 Member, Steering Committee for evaluation of "Skills for Life" intervention project, Chief Scientist Office, Ministry of Education.
- 2000 - 2000 Member, Steering Committee for the evaluation of "Developing a selection system for Aliyath Hanoar"
- 2000 - 2004 Academic Head, Achva Academic College.
- 2000 - 2008 Member, The Academic Council, The Tel Aviv Academic College
- 2001 - 2004 Member, Steering Committee for evaluation of "Violence in the school", Chief Scientist Office, Ministry of Education.
- 2001 - Member, The Academic Council, Achva College of Education
- 2003 - 2007 Member, Editorial Board: *BILINGUALISM: Language and Cognition*
- 2004 - 2005 Chair, Israel Science Foundation 2005 Committee for Cognitive Psychology, Israeli Academy of Sciences
- 2004 - Member, The Academic Committee ISEF
- 2004 - 2008 Member, Editorial Board: *Bilingualism Language and Cognition*

- 2005 - Member, The VaTaT Committee for Learning Disabilities
- 2006 - Member, The Initiative for Applied Research in Education
(of the Israel Academy of Science & Yad HaNadiv Professional Advisory
Committee for Language and Literacy)
- 2006 - 2007 Chair, Israel Science Foundation Committee for Cognitive
Psychology, Israeli Academy of Sciences
- 2007 - Chair, The VaTaT Committee for Learning Disabilities
- 2009 - Member, Israel Foundation Board Trustees Board of
Directors
- 2009 - Member, Editorial Board: The Open Journal of Psychology
- 2010 - Member, Editorial Board: The European Journal of Cognitive
Psychology

c. Professional consulting

- 1984 - Occasional Consultant for courses development, the Open
University of Israel.
- 1987 - 2000 Academic Consultant for Students Admission, The
Register Unit, Ben Gurion University.
- 1988 - 1989 Senior Consultant, Edunetics Inc., Herzlyia, Israel.
- 1994 - 1995 Consultant, Psychology Branch, Field Forces Command,
IDF.

d. Courses taught

Introduction to Psychology; Introduction to Statistics; Learning Theory; Test Theory; Experimental Psychology; Advanced Research Methods; Automaticity and Control in Cognitive Processing; Applications of Psychology to Man-Machine Systems; Applications of Psychology to Educational Software Development; Selection Methods; Unconscious Cognitive Processing; Skill, Automaticity & Consciousness; Applications of SDT in Cognitive Psychology; Psychological Foundations of Numerical Cognition.

e. Membership in Professional/Scientific Societies

1972 - Israel Psychological Association
 1981 - American Psychological Association
 1984 - Israel Ergonomic Society
 1987 - Human Factors Society
 1988 - European Society of Cognitive Psychology
 1990 - Psychonomic Society
 1990 - Society for Computers in Psychology
 1990 - Israeli Society of Cognitive Psychology
 1993 - American Psychological Society
 1995 - Association for the Scientific Study of Consciousness
 1996 - Behavioral and Brain Sciences

f. Occasional Reviewer For:

Scientific Journals: Acta Psychologica; Applied Cognitive Psychology; Applied Psychology: International Review; American Journal of Psychology; Attention, Perception & Psychophysics; Behavioral and Brain Sciences; Bilingualism, Language and Cognition; Biological Psychiatry; British Journal of Mathematical and Statistical Psychology; Canadian Journal of Experimental Psychology; Cognitive Processing; Cognitive Psychology; Cognition; Experimental Psychology; Human Factors; Journal of Clinical and Experimental Neuropsychology; Journal of Cognitive Psychology; Journal of Cross Cultural Psychology; Journal of Experimental Psychology: Applied; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning Memory and Cognition; Journal of Memory and Language; Language & Cognitive Processes; Journal of Neurolinguistics; Mathematical Cognition; Perspectives of Psychological Science; Psychological Bulletin; Psychonomic Bulletin & Review; Psychological Methods; Psychological Research; Psychiatry Research; Quarterly Journal of Experimental Psychology; Trends in Cognitive Sciences; Trends in Neurosciences; Vision Research.

Research Foundations: NSF; US-Israel BSF; ISF (Israeli Academy of Sciences); GIF; National Institute of Psychobiology; Ministry of Education; Ministry of Health; Ministry of Science and Technology; Israel Foundations

Trustees, Natural Science and Engineering Research Council of Canada (NSERC); NCRD; Research Council K.U.Leuven, Belgium.

5. SCIENTIFIC PUBLICATIONS

a. Chapters in books and conference proceedings

Tsach, U., Sheridan, T.B. & Tzelgov, J. A new method for failure detection and location in complex dynamic systems. Proceedings of American Control Conference, 1982, Arlington, Virginia, June 14-16.

Dinstein, I., Guy, G., Rabani, J., Tzelgov, J. & Henik, A. On stereo image coding. Proceedings of the 9th International Conference On Pattern Recognition, 1988, Rome, Italy, November 14-17.

Dinstein, I., Kim, M.G., Tzelgov, J. & Henik, A. Compression of stereo images and the evaluation of its effects on 3-D perception. Proceedings of SPIE 33rd Annual Symposium on Optical & Opto-Electronic Applied Sciences & Engineering, 1989, San Diego, California, August 6-11.

Tzelgov, J. & Henik, A. (1990). Insensitivity of the semantic relatedness effect to surface differences and its implications. In J.D. Dreth, J.A. Sergeant & R.J. Takens (Ed.) *European Perspectives in Psychology*. (pp. 385-403). Chichester: John Wiley.

Henik, A. & Tzelgov, J. (1997). Automaticity and control - two components of cognitive processing. In J. Shimron (Ed.) *Studies in the Psychology of Hebrew Language and Reading*. (pp. 166-183). Jerusalem: Magnes. (Hebrew)

Tzelgov, J. (1997) Automatic but conscious: That is how we act most of the time. In R. Wyer (Ed.) *Advances in Social Cognition*, Vol. X. (pp. 217-230). Mahwah, NJ: Erlbaum.

Tzelgov, J., Yehene, V. & Naveh-Benjamin, M. (1997). From automaticity to memory and vice versa: On the relations between automaticity and memory. In J. Brzezinski, B. Krause & T. Maryszewski (Eds.) *Idealization in*

Psychology: Poznan Studies of the Sciences and the Humanities. Vol. 56 (pp. 239-261), Amsterdam-Atlanta: Rodopi.

Tzelgov, J. & Nevo, B. (1997). Human intelligence and cognitive psychology. In B. Nevo (Ed.) Intelligence. Tel Aviv: Open University of Israel Press. (Hebrew)

Tzelgov, J. & Ganor-Stern, D. (2005) Automaticity in processing ordinal information. In J.I.D Campbell (Ed.) Handbook of Mathematical Cognition (pp. 55-66), New York , NY: Psychology Press.

Tzelgov, J. & Yehene, V. (2006). Automaticity and Skill. In W. Karwowski (Ed.) International Encyclopedia of Ergonomics and Human Factors (2nd Edition, pp . 286-290) London: Taylor Francis.

Tzelgov J. & Pinku, G. (2009). Cognitive Control and Consciousness. In Bayne, T., Wilken. P. & Cleeremans, A. (Eds.) The Oxford Companion to Consciousness, (pp. 139-140) Oxford: Oxford Academic Press

Goldfarb, L. & Tzelgov, J. (2011). Skill and the control of reading. In O. Korat & D. Aram (Eds.) Literacy and language: Relationship, bilingualism difficulties, (pp. 307-329) Jerusalem: Magnes (Hebrew)

b. Refereed articles in Scientific Journals

Kubovy, M. & Tzelgov, J. (1975). A test of Vitz and Todds' model of the judged complexity of straight line figures. Perception and Psychophysics, 18, 186-190.

Tzelgov, J. & Stern, I. (1978). Relationship between variables in a three variable linear regression and the concept of suppressor. Educational and Psychological Measurement, 38, 325-335.

Stern, I. & Tzelgov, J. (1978). Comments on two statements about three-variate multiple regression. Psychological Reports, 43, 687-690.

Chermesh, R. & Tzelgov, J. (1979). The college instructor as a leader: some theoretical derivations from a causal model of student evaluation of their instructors. *Journal of Educational Research*, 73, 109-115.

Tzelgov, J. & Henik, A. (1981). On the difference between Conger's and Velicer's definition of suppression. *Educational and Psychological Measurement*, 41, 1027-1031.

Henik, A. & Tzelgov, J. (1982). Is three greater than five: the relation between physical and semantic size in comparison tasks. *Memory and Cognition*, 10, 389-395.

Stern, E., Tzelgov, J. & Henik, A. (1983). Driving effort and urban route choice. *Logistic and Transportation Review*, 9, 67-79.

Tzelgov, J. & Henik, A. (1983). On the recognition of words with inverted letters. *Canadian Journal of Psychology*, 37, 233-242.

Tzelgov, J. & Henik, A. (1985). A definition of suppression situations for the general linear model: a regression weights approach. *Educational and Psychological Measurement*, 45, 281-284.

Tzelgov, J., Tsach, U. & Sheridan, T.B. (1985). Effects of indicating failure odds and smoothed outputs on human failure detection in dynamic systems. *Ergonomics*, 28, 449-462.

Henik, A. & Tzelgov, J. (1985). Control for halo error: a multiple regression approach. *Journal of Applied Psychology*, 70, 577-580.

Tzelgov, J., Srebro, R., Henik, A. & Kushelevsky, A. (1987). Radiation search and detection by ear and by eye. *Human Factors*, 29, 87-95.

Leiser, D., Tzelgov, J. & Henik, A. (1987). A comparison of map study methods: simulated travel vs. conventional study. *European Bulletin of Cognitive Psychology*, 7, 317-334.

Assor, A. & Tzelgov, J. (1987). Self ideal discrepancies as indicators of self derogation and enhancement: formalization of theoretical claims and a method of assessment. *Journal of Personality Assessment*, 51, 532-544.

Tzelgov, J. (1988). Single versus multiple representations: an investigation in the priming paradigm. *Psychologia*, 1, 19-28. (Hebrew)

Dinstein, I., Guy, G., Rabani, J., Tzelgov, J. & Henik, A. (1989). On the compression of stereo images: preliminary results. *Signal Processing*, 17, 373-382.

Assor, A., Tzelgov, J., Thein, R., Ilardi, B.C. & Connell, J.P. (1990). Assessing the correlates of over- and underrating of academic competence: A conceptual clarification and a methodological proposal. *Child Development*, 61, 2085-2097.

Tzelgov, J., Henik, A., Dinstein, I. & Rabani, J. (1990). Performance consequence of two types of stereo picture compression. *Human Factors*, 32, 173-182.

Tzelgov, J., Henik, A. & Leiser, D. (1990). Controlling the Stroop interference: Evidence from a bilingual task. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 16, 760-771.

Tzelgov, J. & Henik, A. (1991). Suppression situations in psychological research: definitions, implications and applications. *Psychological Bulletin*, 109, 524-536.

Friedrich, F.J., Henik, A. & Tzelgov, J. (1991). Resource requirements in lexical activation and semantic priming. *Journal of Experimental Psychology: Human Perception and Performance*, 17, 792-806 .

Dinstein, I., Kim, M.G., Henik, A. & Tzelgov, J. (1991). Compression of stereo images using subsampling and transform coding. *Optical Engineering*, 30, 1359-1364.

Henik, A., Tzelgov, J., Meisels, A. & Dinstein, T. (1992). The effect of picture compression on magnitude estimation of depth. *Human Factors*, 34, 179-188.

Tzelgov, J., Meyer, J. & Henik, A. (1992). Automatic and intentional processing of numerical information. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 18, 166-179.

Tzelgov, J. & Eben-Ezra, S. (1992). Components of the between-language semantic-priming effect. *European Journal of Cognitive Psychology*, 4, 253-272.

Tzelgov, A., Henik, A. & Berger, J. (1992). Controlling Stroop effect by manipulating expectations for color related stimuli. *Memory & Cognition*, 20, 727-735.

Henik, A., Tzelgov, J. & Friedrich, F.J. (1993). Dissociation of lexical and semantic aspects of word processing. *Israel Journal of Medical Sciences*, 29, 598-604.

Henik, A., Friedrich, F.J., Tzelgov, J. & Tramer, S. (1994). Capacity demands of automatic processing in semantic priming. *Memory & Cognition*, 22, 157-168.

Tzelgov, J. & Henik, A. (1995). On controlling automatic processing. *Przeglad Psychologiczny*, 1-2, 7-19.

Tzelgov, J., Henik, A., Sneg, R. & Baruch, O. (1996). Unintentional reading via the phonological route: Stroop effect with cross-script-homophones. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 22, 336-349.

Yehene, V. & Tzelgov, J. (1996). The two factor model of automaticity: A test using transfer paradigm. *Psychologia*, 5, 121-138. (Hebrew)

Tzelgov, J. & Nevo, B. (1996). On the "what" and the "how" of the "how many": The relation between intelligence and cognitive psychology. *Psychologia*, 5, 217-239. (Hebrew)

Tzelgov, J., Henik, A. & Porat, Z. (1997). Automaticity and consciousness: Is perceiving the word necessary for reading it? *American Journal of Psychology*, 3, 429-448.

Tzelgov, J. (1997). Specifying the relations between automaticity and consciousness: A theoretical note. *Consciousness and Cognition*, 6, 441-451.

Hershkovitz, M., Tasch, U., Teboulle, M. & Tzelgov, J. (1997). Experimental validation of an optimization formulation of the grasping quality sense. *Journal of Robotic Systems*, 14, 753-766.

Tzelgov, J. (1998). Is there a change in the differences in school achievements? A commentary on Razel (1997) and on the response of Dahan et al. *Megamot*, 39, 340-343, (Hebrew).

Tzelgov, J. (1999) Automaticity and processing without awareness.

Psyche(3), April <http://psyche.cs.monash.edu.au/v5/psyche-5-05-tzelgov.html>

Oreg, S. & Tzelgov, J. (1999) Memory retrieval or application of an algorithm: Stroop effect in a new algorithmic task. *Psychologia*, (Hebrew)

Tzelgov, J., Ganor, D., & Yehene, V. (1999). Automatic processing results in conscious representations. *Behavioral and Brain Sciences*, 22, 786-787.

Tzelgov, J., Yehene, V., Kotler, L. & Alon, A. (2000). Automating algorithmic processing: The learning of linear ordering relations. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 26, 103-120.

Bibi, U., Tzelgov, J., & Henik, A. (2000) Stroop effect in words that differ from color words in one letter only. *Psychonomic Bulletin and Review*, 7, 678-683.

Tzelgov, J. (2000) On processing in the inattention paradigm as automatic. *Psyche*(17), April <http://psyche.cs.monash.edu.au/v6/psyche-6-17-tzelgov.html>

Tzelgov, J. (2002) Trading automatic/nonautomatic for unconscious/conscious. *Behavioral and Brain Sciences*, 25, 356-357

Gotler, A., Meiran, N., & Tzelgov, J. (2003) Nonintentional Task-Set Activation: Evidence from implicit task sequence learning. *Psychonomic Bulletin and Review*, 10, 890-896.

Goldfarb, L. & Tzelgov, J. (2005) Are monocular distance cues and size perception based on automatic perception? *Psychonomic Bulletin and Review*, 12, 751-754

Berent, I., Pinker, S., Tzelgov, J., Bibi, U., & Goldfarb, L. (2005) Computation of Semantic Number from Morphological Information. *Journal of Memory and Language*, 53, 342-358

Perlman, A., & Tzelgov, J. (2006) Interactions between encoding and retrieval in the domain of sequence-learning. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 32, 118-130

Berent, I., Tzelgov, J., & Bibi, U. (2006) The autonomous computation of morphological structure in reading: Evidence from the Stroop task. *Mental Lexicon*, 1, 201-230

Pinku, G., & Tzelgov, J. (2006) Consciousness of the self (COS) and explicit knowledge. *Consciousness & Cognition*, 15, 655-661

Goldfarb, L. & Tzelgov, J. (2007) The Cause of the Within Language Stroop Superiority Effect and its Implications. *Quarterly Journal of Experimental Psychology*, 60, 179-185.

Okon-Singer, H., Tzelgov, J., & Henik, A. (2007) Distinguishing between automaticity and attention in the processing of emotionally significant stimuli. *Emotion*, 7, 147-157.

Ganor-Stern, D., Tzelgov, J. & Ellenbogen, R. (2007) The representation of two-digit numbers. *Journal of Experimental Psychology: Human Perception and Performance* , 33, 483-496

Cohen-Kadosh, R., Tzelgov, J., & Henik, A. (2008) A synesthetic walk on the mental number line: The size effect. *Cognition*,106, 548-557

Cohen-Kadosh, R., Tzelgov, J. & Henik, A. (2008). A colorful walk on the mental number line: Did you take the right step? *Cognition*,106, 564-567

Ganor-Stern, D., & Tzelgov, J. (2008) Negative numbers are generated in the mind. *Experimental Psychology*, 55, 157-163

Ganor-Stern, D. & Tzelgov, J. (2008). Across-notation automatic numerical processing. *Journal of Experimental Psychology: Learning Memory & Cognition*, 34, 430-437.

Ganor-Stern, D., Pinchas, M., &Tzelgov, J. (2009). Comparing Two-Digit Numbers: The Importance of Being Presented Together *Quarterly Journal of Experimental Psychology* 62, 444-452

Perlman, A. & Tzelgov, J. (2009) Automatic mode of acquisition of spatial sequences in serial reaction time paradigm. *Psychological Research*, 73, 98-106

Tzelgov, J., Ganor-Stern, D. & Maymon-Schreiber, K. (2009) The representation of negative numbers: exploring the effects of mode of processing and notation. *Quarterly Journal of Experimental Psychology*, 62, 605-624

Tzelgov, J., & Pinhas, M. (2009). In search of nonabstract representation of numbers: Maybe on the right track, but still not there. *Behavioral and Brain Sciences*, 32, 353-354.

Tzelgov, J. & Cohen Kadosh, R. (2009) From automaticity to control in bilinguals. *Trends in Cognitive Sciences* , 13

Kallai, A. & Tzelgov, J. (2009) A generalized fraction: the smallest member of the mental number line. *Journal of Experimental Psychology: Human Perception and Performance*, 35, 1845-1864

Perlman, A., Edwards, D., Pothos, E., & Tzelgov, J. (2010) Task-relevant chunking in sequence learning. *Journal of Experimental Psychology: Human Perception and Performance*, 3, 649-661

Poznanski, Y. & Tzelgov, J. (2010) What is implicit in implicit artificial grammar learning. *Quarterly Journal of Experimental Psychology*, 63, 1495-2015

Pinhas, M., Tzelgov, J., & Guata-Yaakobi, I. (2010). Exploring the mental number line via the size congruity effect. *Canadian Journal of Experimental Psychology*. 64, 221-225

Ganor-Stern, D., Pinhas, M., Kallai, A, and Tzelgov, J. (2010). A holistic representation of negative numbers will be formed to meet the task requirement. *Quarterly Journal of Experimental Psychology*, 63, 1969-1981.

Ganor-Stern & Tzelgov, J. (2011) Across-Notation Automatic Processing of Two-Digit Numbers. *Experimental Psychology*, 58, 147-15

Okon-Singer, H., Alyagon, U., Kofman, O., Tzelgov, J., & Henik, A. (2011). Fear-Related Pictures Deteriorate Performance of University Students with High Fear from Snakes or Spiders. *Stress*, 14 (2), 185-193.

Okon-Singer, H., Kofman, O., Tzelgov, J. & Henik, A. (2011). Using International Emotional Picture Sets in Countries Suffering from Violence. *Journal of Traumatic Stress*, 24(2), 239-242.

Hoffman, Y. and J. Tzelgov (2012). "Representation of unattended material in memory." *Consciousness and Cognition* 21(3): 1504-1508.

Kallai, A. & Tzelgov, J. (2012) When meaningful components interrupt the processing of the whole: the case of fractions. *Acta Psychologica*, 129, 358-369

Ben Meir, S., Ganor-Stern, D., & Tzelgov, J. (in press) The Association between Magnitude and Time in Automatic and Intentional Processing, *Quarterly Journal of Experimental Psychology*

Pinhas, M., Tzelgov, J. & Ganor-Stern, D. (2012) Estimating Linear Effects in ANOVA designs: The Easy Way. *Behavior Research Methods*, 44, 788-794.

Pinhas, M., & Tzelgov, J. (2012) Expanding on the Mental Number Line: Zero is Perceived as the "Smallest". *Journal of Experimental Psychology: Learning, Memory, and Cognition* 38, 1187-1205.

Kallai, A.Y., & Tzelgov, J. (2012) The place-value of a digit in multi-digit numerals is processed automatically. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 38, 1221-1233.

Parnes, M., Berger, A. & Tzelgov, J. (in press) Negative numbers in the brain. *Canadian Journal of Experimental Psychology*

Pinhas, M., Pothos, E.M., & Tzelgov, J. (in press) Zooming In and Out from the Mental Number Line: Evidence for a Number Range Effect. *Journal of Experimental Psychology: Learning, Memory, and Cognition*

Goldman, R., Ganor-Stern, D. & Tzelgov, J. (in press) "On the Money" - Monetary and Numerical Judgments of Currency. *Acta Psychologica*

Book Reviews

Tzelgov, J. (1996). They all were his students: A review of "Studies in Psychology in honor of Solomon Kugelmas", *Megamot*, 37, 477-480. (Hebrew)

Tzelgov, J. (2001). Review of "The Psychology of Attention" by H.E. Pashler. *High Ability Studies*, 12, 127-130.

d. Technical reports

Tzelgov, J. (1982). Providing the operator with an estimate of failure probability: A theoretical comparison of two statistical models. Man-Machine Systems Laboratory, Department of Mechanical Engineering, MIT, Cambridge, MA.

Milman, O., Tramer, S., Tzelgov, J. & Henik, A. (1987). Priming norms for Hebrew words. Department of Behavioral Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel.

Tzelgov, J., Henik, A. & Friedrich, F. (1987). Semantic activation during word and picture recognition. Israel-U.S. Binational Science Foundation, Project 84-00050 Final Report.

Dinstein, I., Henik, A. & Tzelgov, J. (1988). Compression of stereo images and its influence on stereopsis. National Council for Research and Development, Project 2716 Annual Report.

Tzelgov, J. (1988). Bilingual representation of knowledge. Basic Research Foundation, Final Project Report.

Tzelgov, J. (1988). Why should partialling out leniency improve performance ratings, or should it? Department of Behavioral Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel.

Henik, A. & Tzelgov, J. (1990). Looking for halo effects? Please study the beta weights not the R².

Tzelgov, J. & Eben-Ezra, S. (1990). The representation of concepts and their names by bilinguals. Department of Behavioral Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel.

Henik, A., Tzelgov, J., Osimani, A. & Friedrich F.J.(1990) Shared and specific attentional mechanisms in spatial and semantic systems. Israel-U.S. Binational Science Foundation, Project 86-00040 Final Report.

Tzelgov, J., Henik, A. & Henik, M. (1990). Skill level and the development of Stroop and inverse Stroop effects. Department of Behavioral Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel.

Tzelgov, J. & Henik, A. (1992). Controlled processing in semantic network. Israel Foundations Trustees, Final Report.

Tzelgov, J. (1995). Control of autonomous processing: The case of Stroop effect. Israel Foundations Trustees, Final Report.

Tzelgov, J. (1997). Mechanisms of automatic processing. Chief Scientist Office, Ministry of Education, Final Report.

Tzelgov, J. (1998) Applying the two factor model to artificial grammar learning: A theoretical framework. Department of Behavioral Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel.

Tzelgov, J., Yehene V., & Poznanski, Y. (1998). A rejoinder to the discussion of implicit learning: Defining by automaticity. Department of Behavioral Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel.

Tzelgov, J. & Bar-Tal, M. (2000) Automatic reading of words never seen: Word-picture interference with cross-script homophones. Department of Behavioral Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel.

Tzelgov, J., Spector, A. (2000). Skills and retention of skills; armored corps. Ministry of Defence, Final Report.

1914

Joseph Tzelgov

Yehene, V. & Tzelgov, J. (2001). The mechanisms of knowledge acquisition in implicit learning. Chief Scientist Office, Ministry of Education, Final Report.

Tzelgov, J. (2003). The representation and processing of integers. Final report submitted to the Israel Science Foundation

6. CONFERENCE PRESENTATIONS

Henik, A. & Tzelgov, J. (1982). On the relation between physical and numerical sizes. Paper presented at the meeting of American Psychological Association, Los Angeles, August.

Tzelgov, J., Tsach, U. & Sheridan, T.B. (1983). Aiding the human operator in failure detection in dynamic systems. Paper presented at the meeting of Israel Ergonomics Society, Tel Aviv, January.

Friedrich, F.J., Kellogg, W.A., Henik, A. & Tzelgov, J. (1984). Constrains on semantic priming. Paper presented at the meeting of the Psychonomic Society, November.

Tzelgov, J., Henik, A. & Leiser, D. (1987). Interlanguage and intralanguage Stroop interference in Arabic Hebrew bilinguals. Paper presented at the meeting of the Israeli Psychological Association, Tel Aviv, March.

Tzelgov, J., Henik, A. & Leiser, D. (1988). Automaticity and control in a bilingual Stroop task. Paper presented at the 6th Australian Language and Speech Conference, Sydney, August.

Tzelgov, J., Henik, A., Mutzafi, R. & Preiss, K. (1988). Representation in technical drawings. Paper presented at the Australian Experimental Psychology Bicentennial Meeting, Jamberoo, Australia, August.

Tzelgov, J. & Henik, A. (1989). Insensitivity of the semantic relatedness effect to surface differences and its implications. Paper presented at the First European Congress of Psychology, Amsterdam, July.

2014

Joseph Tzelgov

Tzelgov, J., Henik, A., Dinstein, I. & Meisels, A. (1990). Evaluating algorithms for stereo pictures compression. Paper presented at the Second Annual Meeting of the Israel Ergonomics Society, Ramat-Gan, June.

Tzelgov, J. & Henik, A. (1990). Controlling Stroop effect. Paper presented at the 4th Meeting of the European Society of Cognitive Psychology, Como, September.

Tzelgov, J. & Henik, A. (1990). Control of Stroop effect. Paper presented at the 31st Annual Meeting of the Psychonomic Society, New Orleans, November.

Friedrich, F.J., Henik, A. & Tzelgov, J. (1990). Localizing prime task effects in semantic priming. Paper presented at the 31st Annual Meeting of the Psychonomic Society, New Orleans, November.

Tzelgov, J. (1992). A point of view on automaticity. Invited paper presented at the Research on Attention Conference of the Israeli Society of Cognitive Psychology, Haifa, June.

Tzelgov, J. & Berger, J. (1992). Components of Stroop control. Paper presented at the 5th Meeting of the European Society of Cognitive Psychology, Paris, September.

Tzelgov, J. & Sneg, R. (1992). Stroop effect in Cross-script homophones. Paper presented at the 33rd Annual Meeting of the Psychonomic Society, Saint Louis, November.

Tzelgov, J., Sneg, R. & Baruch, O. (1993). Is "ADOM" red? Paper presented at the 2nd Bi-Annual Meeting of the Israeli Society of Cognitive Psychology, Ramat Gan, February.

Tzelgov, J., Sneg, R. & Baruch, O. (1993). Stroop effect in Cross-script homophones - Additional results. Paper presented at the 6th Meeting of the European Society of Cognitive Psychology, Elsinore, Denmark, September.

Tzelgov, J. & Yehene, V. (1994). On the importance of memory in development of skill-based automatic processing. Paper presented at the Memory Conference of the Israeli Society of Cognitive Psychology, Tel Aviv, June.

Tzelgov, J. & Yehene, V. (1994) Memory, skill-based automaticity and transfer. Paper presented at the 7th Meeting of the European Society of Cognitive Psychology, Lisbon, Portugal, September.

Henik, A., Tzelgov, J., Friedrich, F. & Levi-Manor, T. (1994). Cognitive load reduces priming effects. Paper presented at the 35th Annual Meeting of the Psychonomic Society, Saint Louis, November.

Tzelgov, J., Porat, Z. & Henik, A. (1994). Is perceiving the word necessary for the Stroop effect. Paper presented at the 35th Annual Meeting of the Psychonomic Society, Saint Louis, MO, November.

Tzelgov, J., Porat, Z. & Henik, A. (1995). On the Stroop effect without awareness. Paper presented at the 8th Meeting of the European Society of Cognitive Psychology, Rome, Italy, September.

Tzelgov, J. & Yehene, V. (1996). Skill-based automaticity in human cognition: From definitions to design principles. Presented at the 14th Annual Workshop of the European Society for the Study of Cognitive Systems, St. Maximin la Sainte-Baume, France, April.

Tzelgov, J. (1996). Killing the sacred cow: On the (un)importance of stimulus-to-response consistent mapping in automatization. Paper presented at the Modularity and Automaticity Conference of the Israeli Society of Cognitive Psychology, Tel Aviv, June.

Tzelgov, J. & Yehene, V. (1996). On knowing that automatic processing is intentional. Paper presented at the 9th Meeting of the European Society of Cognitive Psychology, Wurzburg, Germany, September.

Yehene, V. & Tzelgov, J. (1996). Skill-based automaticity and its transfer. Poster presented at the 9th Meeting of the European Society of Cognitive Psychology, Wurzburg, Germany, September.

Tzelgov, J. & Alon, A. (1996). The automatization of algorithmic processing. Paper presented at the 37th Annual Meeting of the Psychonomic Society, Chicago, IL, November.

Chorev, Z., Henik, A. & Tzelgov, J. (1996). Does spatial attention influence word reading? Poster presented at the 37th Annual Meeting of the Psychonomic Society, Chicago, IL, November.

Henik, A., Bibi, U., Yanai, M., Tzelgov, J., (1997). The Stroop effect is largest during the first trials. Paper presented at the 38th Annual Meeting of the Psychonomic Society, Philadelphia, PA, November.

Tzelgov, J., Yehene, V., Kotler, L., Falkov, H. & Alon, A. (1998). Automatic comparisons of artificial digits never compared. Paper presented at the 10th Meeting of the European Society of Cognitive Psychology, Jerusalem, Israel, September

Yehene, V. & Tzelgov, J. (1998). On the complexity of learning in simple tasks: The case of lexical decision. Paper presented at the 10th Meeting of the European Society of Cognitive Psychology, Jerusalem, Israel, September

Tzelgov, J., Yehene, V, & Baron, M. (1998). Routes to automatic reading. Paper presented at the 39th Annual Meeting of the Psychonomic Society, Dallas, TX, November.

Bibi, U., & Tzelgov, J. (1998). Auditory inference in color naming: Properties of the cross-modal Stroop effect. Poster presented at the 39th Annual Meeting of the Psychonomic Society, Dallas, TX, November.

Poznanski, Y. & Tzelgov, J. (1999) Cross-modal transfer in artificial grammar learning. Poster presented at the ESCoP XI conference, Ghent, Belgium, September.

Yehene, V. & Tzelgov, J., (1999). Exemplar-based learning and its transfer. Paper presented at the ESCoP XI conference, Ghent, Belgium, September.

Tzelgov, J. , Baron, M. & Yehene, V. (1999). Automatic reading is not constrained to the direct route. Paper presented at the ESCoP XI conference, Ghent, Belgium, September.

Yehene, V. & Tzelgov, J., (1999). Exemplar-based learning and its transfer. Poster presented at the 40th Annual Meeting of the Psychonomic Society, Los Angeles CA, November.

Ganor, D. & Tzelgov, J. (2000). Automaticity in semantic and syntactic processing. Poster presented at the ASSC IV conference, Brussel, Belgium, June.

Tzelgov, J. (2000). Stroop phenomena as measures of automatic processing. Paper presented at the ICP 2000 conference Stockholm, Sweden, July.

Tzelgov, J. (2000). The representation and processing of positive and negative integers. Paper presented at the 42th Annual Meeting of the Psychonomic Society, New Orleans, LO, November.

Berent, I., Bibi, U. & Tzelgov, J. (2000) Paper presented at the 42nd Annual Meeting of the Psychonomic Society, New Orleans, LO, November.

Tzelgov, J. (2001). The representation and processing of integers. Paper presented at the ESCoP XII conference Edinburgh, Scotland, September.

Tzelgov, J. & Pinku, G. (2002). Modes of presentation and processing of positive and negative integers. Paper presented at the 43th Annual Meeting of the Psychonomic Society, Kansas City, MO, November.

Berent, I., Pinker, S., Tzelgov, J., Bibi, U. & Goldfarb, L. (2002). The perceived numerosity of printed words. Paper presented at the 43th Annual Meeting of the Psychonomic Society, Kansas City, MO, November.

Tzelgov, J., & Goldfarb, L. (2003). Automatic processing of written information by bilinguals. Paper presented at the 4th International Symposium on Bilingualism, Tempe AR, April

Tzelgov, J. (2003). On processing integers as natural numbers. Paper presented at the ESCoP XIII Conference, Granada, Spain, September.

Poznanski, Y., & Tzelgov, J. (2003) Performance in Artificial Grammar Learning – Analyzed with Signal Detection Theory. Paper presented at the ESCoP XIII conference Granada, Spain, September.

Poznanski, Y., & Tzelgov, J. (2003) Performance in Artificial Grammar Learning: A Signal Detection Analysis. Poster presented at the 44th Annual Meeting of the Psychonomic Society, Vancouver, Canada, November.

Pinku, G. & Tzelgov, J. (2004). Consciousness of the self qua subject and explicit knowledge. Paper presented at the Joint Conference of the Society for Philosophy and Psychology and the European Society for Philosophy and Psychology, Barcelona, Spain, July.

Kallai, A. & Tzelgov, J. (2004). The representation and processing of fractions. Poster presented at the 45th Annual Meeting of the Psychonomic Society, Minneapolis, MN, November.

Perlman, A. & Tzelgov, J. (2005). A framework for analyzing sequence learning. Paper presented at the ESCoP XIV conference, Leiden, the Netherlands, September.

Pinchas, M. & Tzelgov, J. (2005). On the status of zero on the mental number line. Poster presented at the ESCoP XIV conference, Leiden, the Netherlands, September.

Hoffman, Y. & Tzelgov, J. (2005). Direct measurement of memory for context. Poster presented at the ESCoP XIV conference, Leiden, the Netherlands, September.

Poznanski, Y., Tzelgov, J., Aizenberg, T. & Ben Yehuda, T. (2005). Transfer in artificial grammar learning. Poster presented at the 46th Annual Meeting of the Psychonomic Society, Toronto, Canada, November.

Ganor-Stern, D. & Tzelgov, J. (2006). Automaticity and two-digits numbers. Poster presented at the 47th Annual Meeting of the Psychonomic Society, Houston, TX, November.

Tzelgov, J., Perlman, A., Millar, D. & Pothos, E. (2007) Emergence of primitives in sequence learning. Paper presented at the 3rd Computational Motor Control Workshop, Beer Sheva, Israel, June.

Pinchas, M., Henik, A., & Tzelgov, J. (2007) The access to the number line representation is task dependent. Paper presented at workshop on Number, Space & Action, Aachen, Germany, March.

Perlman, A., Tzelgov, J., Pothos, E. & Millar, D. (2007). The emergence of response-ready sequences in the extended Cue Target Interval procedure. Paper presented at the annual conference of the British Psychology Society. Aberdeen, Scotland, UK, August.

Hoffman, Y., & Tzelgov, J. (2007). Poster presented at the 48th Annual Meeting of the Psychonomic Society, Palm Beach Ca, November.

Pinchas, M., & Tzelgov, J. (2008) Nothing is something that is not perceived as a natural number. Poster presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL, November.

Ganor-Stern, D., Pinhas, M., DeGarcea, S., & Tzelgov, J. (2009). Processing two-digit numbers: the limits of automaticity. Poster presented at the 27th conference of the European workshop on Cognitive Neuropsychology, Bressanone, Italy, January

Pinhas, M., & Tzelgov, J. (2009). Zero is perceived in our minds as the "smallest". Paper presented at the 16th conference of the European Society for Cognitive Psychology, Krakow, Poland, September.

Tzelgov, J., & Cohen Kadosh, R. (2009). On skill, practice, automaticity and the Stroop effect in bilinguals. Paper presented at the 7th International Symposium on Bilingualism, Uthrecht, the Netherlands, July

Bar, Z., Tzelgov, J., & Karni, A. (2011). A SNARC Effect Amongst Native Hebrew Speakers. Poster presented at the CNBNC Workshop: Typical and Atypical Neurocognitive Aspects of Numerical Processing, Beer Sheva – Haifa, Israel, April.

Pinhas, M., Tzelgov, J., & Ganor Stern, D. Estimating Linear Effects in Numerical Cognition: The Fast and Easy Way. Poster presented at the CNBNC Workshop: Typical and Atypical Neurocognitive Aspects of Numerical Processing, Beer Sheva – Haifa, Israel, April.

Goldman, R., & Tzelgov, J. (2011). End Effect in Numerical Processing. Poster presented at the CNBNC Workshop: Typical and Atypical Neurocognitive Aspects of Numerical Processing, Beer Sheva – Haifa, Israel, April.

Shai, A., Tzelgov, J., & Shamir, M. (2011). Modelling Automaticity in Numerical Processing. Poster presented at the CNBNC Workshop: Typical and Atypical Neurocognitive Aspects of Numerical Processing, Beer Sheva – Haifa, Israel, April.

2714

Joseph Tzelgov

7. RESEARCH GRANTS

1985 - US-Israel Binational Science Foundation. Henik, A., Tzelgov, J. & Friedrich. J.F. 36000\$ per annum. Two years.

1986 - Israel Science Foundation - Basic Research Fund. Tzelgov, J. 7000\$ per annum. Two years.

1986 - Ministry of Defense Basic Research Fund. Leiser, D., Melkman, A., Tzelgov, J. & Henik, A. 40000\$ per annum. Two years.

1987 - US-Israel Binational Science Foundation. Henik, A., Tzelgov, J. & Friedrich. J.F. 30000\$ per annum. Three years.

1987 - National Council for Research and Development Artificial Intelligence Grant. Dinstein, I., Tzelgov, J. & Henik, A. 20000\$ per annum. Two years.

1990 - Israel Foundations Trustees Grant. Tzelgov, J. & Henik, A. 10000\$ per annum. Two years.

1992 - Israel Foundations Trustees Grant. Tzelgov, J. 7500\$ per annum. Two years.

1994 - Chief Scientist Office, Ministry of Education. Tzelgov, J. 17000\$ per annum. Two years.

1994 - The Council of Higher Education, Committee of Coordination and Budgeting (Vatat) Seed Grant. Tzelgov, J. 5000\$ per annum. One year.

1998 - Ministry of Defense –. Tzelgov, J. 120000\$. Two years.

1998 - Chief Scientist Office, Ministry of Education. Tzelgov, J. & Yehene, 10000\$ per annum. Two years.

2814

Joseph Tzelgov

2000 - Israel Science Foundation. Tzelgov, J. 35000\$ per annum. Three years.

2003 - Israel Science Foundation. Tzelgov, J. 40000\$ per annum. Four years.

2006 – Israel Science Foundation. Ganor–Stern, D. & Tzelgov, J. (C.I.). 35000\$ per annum. Four years.

2006 - Israel Ministry of Education, Henik, A., Bentin, S., Berger, A., Stavy, R., Tzelgov, J., Reiner, M., Shalev, R. 112500 \$ per annum. Two years.

2008 - Israel Science Foundation. Tzelgov, J. & Ganor–Stern, D. (C.I.). 40000\$ per annum (As a part of the Center of Excellence in Numerical Cognition). Four years.

2008 - Israel Science Foundation. Tzelgov, J. Not funded due to funding of the previous project

2010 – The National Institute for Testing and Evaluation 10000\$ per Annum. (One year)

8. GRADUATE STUDENTS

(1985) Tramer, S. Postdoctoral student. (Psychology). Ben Gurion University of the Negev (with A. Henik).

(1987) Meyer, Y. MA. (Psychology). Ben Gurion University of the Negev (with A. Henik).

(1988) Zohar, N. MA. (Educational Psychology). Ben Gurion University of the Negev (with A. Assor).

(1989) Mutzafi, R. MA. (Psychology). Ben Gurion University of the Negev (with A. Henik).

- (1989) Srebro, R. MA. (Psychology). Ben Gurion University of the Negev (with A. Henik).
- (1989) Elijor, I. MA. (Psychology). Ben Gurion University of the Negev (with A. Henik).
- (1990) Merling, A. MA. (Psychology). Ben Gurion University of the Negev.
- (1990) Berger, J. MA. (Psychology). Ben Gurion University of the Negev (with A. Henik).
- (1990) Lev, S. MA. (Psychology). Ben Gurion University of the Negev (with B. Priel).
- (1990) Magid, M. MA. (Psychology). Ben Gurion University of the Negev.
- (1990) Ephrati, M. MA. (Psychology). Ben Gurion University of the Negev (with A. Drori).
- (1991) Levi-Manor, T. MA. (Psychology). Ben Gurion University of the Negev (with A. Henik).
- (1991) Eben-Ezra, S. MA. (Psychology). Ben Gurion University of the Negev (with A. Henik).
- (1991) Milman, O. MA. (Psychology). Ben Gurion University of the Negev (with A. Henik).
- (1991) Chernash-Glazer, M. MA. (Psychology). Ben Gurion University of the Negev (with R. Chermesh)
- (1991) Katz, Y. MA. (Psychology). Ben Gurion University of the Negev (with R. Marom)
- (1992) Nadav, M. MA. (Psychology). Ben Gurion University of the Negev (with A. Assor)
- (1992) Levi, D. MA. (Psychology). Ben Gurion University of the Negev.
- (1994) Sneg, R. MA. (Psychology). Ben Gurion University of the Negev.
- (1995) Levi, H. Ph.D. (Life Sciences). Ben Gurion University of the Negev (with Y. Kasuto, A. Cohen)
- (1996) Alon, A. MA. (Psychology). Ben Gurion University of the Negev.
- (1997) Peretz S. MA. (Psychology). Ben Gurion University of the Negev.
- (1997) Biton-Rubinstein, L. MA. (Psychology). Ben Gurion University of the Negev.
- (1997) Baruch, O. MA. (Psychology). Ben Gurion University of the Negev.
- (1997) Rotshas, M. MA. (Psychology). Ben Gurion University of the Negev.
- (1997) Baron, M. MA. (Psychology). Ben Gurion University of the Negev.
- (1997) Erev-Yehene, V. MA. (Psychology). Ben Gurion University of the Negev

- (1998) Shostak-Chermesh, M. MA. (Psychology). Ben Gurion University of the Negev.
- (1998) Falkov, H. MA. (Psychology). Ben Gurion University of the Negev.
- (1998) Oreg, S. MA. (Psychology). Ben Gurion University of the Negev.
- (1998) Zamir, R. MA. (Psychology). Ben Gurion University of the Negev
- (1998) Magen, R. MA. (Psychology). Ben Gurion University of the Negev (with R. Siton)
- (1998) Kotler, L. MA. (Psychology). Ben Gurion University of the Negev
- (1998) Eisenberg, L. MA. (Psychology). Ben Gurion University of the Negev
- (1999). Bibi, U. MA (Psychology)). Ben Gurion University of the Negev
- (1999). Abudi, L. MA (Psychology) . Ben Gurion University of the Negev
- (2000). Erev-Yehene, V. Ph.D. (Psychology). Ben Gurion University of the Negev
- (2000). Adi-Japha, E. Postdoctoral student, Psychology
- (2001). Tsabari G. MA (Psychology). Ben Gurion University of the Negev
- (2001). Schrift, I., MA (Psychology). Ben Gurion University of the Negev
- (2001). Bibi, U. Ph.D. (Psychology). Ben Gurion University of the Negev
- (2002). Poznansky, Y. MA (Psychology). Ben Gurion University of the Negev
- (2002). Maimon-Schreiber, K. MA (Psychology). Ben Gurion University of the Negev
- (2003). Pinku, G. MA (Psychology). Ben Gurion University of the Negev
- (2003). Aviv, H. MA (Psychology). Ben Gurion University of the Negev
- (2004). Ganor-Stern, D. Ph.D. (Psychology). Ben Gurion University of the Negev
- (2004). Kallai, A. MA (Psychology). Ben Gurion University of the Negev
- (2005). Perlman, A. Ph.D. (Psychology). Ben Gurion University of the Negev
- (2005). Levi, M. MA (Psychology). Ben Gurion University of the Negev
- (2005). Pinchas, M. MA (Psychology). Ben Gurion University of the Negev
- (2006). Poznansky, Y. Ph.D. (Psychology). Ben Gurion University of the Negev
- (2006). Gueta, I. MA (Psychology). Ben Gurion University of the Negev
- (2006). Keshet, L. MA (Psychology). Ben Gurion University of the Negev
- (2006). Pereg, A. MA (Psychology). Ben Gurion University of the Negev
- (2006). Benbenisty, I. MA (Psychology). Ben Gurion University of the Negev
- (2007). Burstein, T. MA. MA (Psychology). Ben Gurion University of the Negev (with A. Ben-Simon)
- (2007) Kallai, A. Ph.D. (Psychology). Ben Gurion University of the Negev

- (2008) Arvatz, A. (Psychology). Ben Gurion University of the Negev
 (2009) Hoffman, Y. Ph.D. (Psychology). Ben Gurion University of the Negev
 (2010) Algazy, N. MA (Psychology). Ben Gurion University of the Negev
 (2010) Pinhas, M. Ph.D. (Psychology). Ben Gurion University of the Negev
 (2010) Aizenberg, R. MA (Psychology) Ben Gurion University of the Negev
 (2011) De Garcea, S. MA (Psychology) Ben Gurion University of the Negev
 (2011). Erlich, G. MA (Psychology) Ben Gurion University of the Negev
 (2012). Asaf S.. MA (Psychology) Ben Gurion University of the Negev (with M. Shamir)
 (2012). Elkayam, R. MA (Psychology). Ben Gurion University of the Negev

9. PRESENT ACTIVITIES

Submitted for publication

Perlman, A., Tzelgov, J., Millar, D. & Pothos, E. The emergence of response-ready sequences in the extended cue-target interval procedure.

Ron-Kaplan, I., Henik, A. & Tzelgov, J. Re-evaluation of the semantic neighbor effect: The combined influence of prime and target neighbors.

Dekalo, T., Berger, A., Henik, A., Tzelgov, J., & Rubinstein, O. The Development of Number Processing: Automatic Numerical Processing and Mathematical Abilities in Kindergarten and First Graders

Goldman, R., Ganor-Stern, D. & Tzelgov, J. "On the money" – Monetary and numerical judgments of currency

Ganor-Stern, D., Tzelgov, J. & Meiran, N. Automatic processing may be task dependent

Articles in preparation

Pinku, G., & Tzelgov, J. Attention, consciousness and self-consciousness.

Pereg, A., Barkan, R. & Tzelgov, J. Two types of learning

Rikover, C., Berger, A. & Tzelgov, J. Representation and processing of negative numbers: An event-related potential study.

Pinhas, M. & Tzelgov, J. What are the magnitudes of SiCE, SNARC and Distace effect: A meta-analytic study

Pinhas, M., Kallai, A. & Tzelgov, J. How Small is the "Smallest"? On the automatic processing of zero and fractions

3314

Joseph Tzelgov

Research in Progress

Skill acquisition and skill automatization

The acquisition and automatization of number processing.

The automatization of written information.

Stroop-like phenomena as measures of automaticity.

Unitization as a consequence of automatization.

Automaticity, implicit learning, and consciousness.