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CURRICULUM VITAE AND LIST OF PUBLICATIONS

Avishai Henik

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 Military Service: 1963-1965
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EDUCATION

1968-1971	BA	Ben-Gurion University of the Negev, Beer-Sheva, Psychology
1971-1974	MA	Hebrew University, Jerusalem, Psychology Advisor: Daniel Kahneman Title: Intrusions in dichotic listening
1974-1979	PhD	Hebrew University, Jerusalem, Psychology Advisor: Daniel Kahneman Title: Unit grouping and attention in tachistoscopic perception

Other training

1980-1982		Postdoctoral Fellow, Department of Psychology, University of Oregon, Eugene, Oregon, and Cognitive Neuropsychology Laboratory, Neurological Sciences Center, Good Samaritan Hospital, Portland, Oregon.
Summer 1991		McDonnell Foundation Summer Institute in Cognitive Neuroscience. A two week institute of advanced study at Dartmouth Medical School, Hanover, New Hampshire.

EMPLOYMENT HISTORY

1971-1973	Researcher, Military Psychological Unit, Israel Defense Forces.
1973-1979	Instructor, Department of Behavioral Sciences, BGU.
1979-1980	Lecturer, Department of Behavioral Sciences, BGU.
1980-1982	Postdoctoral Fellow, Department of Psychology, University of Oregon, Eugene, Oregon, and Cognitive Neuropsychology Laboratory, Neurological Sciences Center, Good Samaritan Hospital, Portland, Oregon.
1982-1984	Lecturer, Department of Behavioral Sciences, BGU.
1984	Senior Lecturer, Department of Behavioral Sciences, BGU.
Summers 1986, 1988	Visiting Scientist, Department of Psychology, University of Utah, Salt Lake City, Utah.
1989-1990	Visiting Scientist, Department of Neurology, U.C. Davis, VA Medical Center, Martinez, California, U.S.A.
1992	Associate Professor, Department of Behavioral Sciences, BGU.
1994-1995	Visiting Scientist, Department of Neurology, U.C. Davis, VA Medical Center, Martinez, California, U.S.A.
1996	Professor, Department of Behavioral Sciences, BGU.
2007-2008	Visiting Scientist, Department of Psychology, U.C. Berkeley, California, U.S.A.

PROFESSIONAL ACTIVITIES

Positions in academic administration

1987-1989	Chairman, Department of Behavioral Sciences, BGU.
1992-1994	Associate-Dean, Faculty of Humanities and Social Sciences, BGU.
1996-2000	Academic Coordinator BGU-Ahva College.
1997-2000	Chairman, Department of Behavioral Sciences, BGU.
1999-2002	Chairman, Zlotowski Center for Neuroscience, BGU.
2001-2007	Dean, Faculty of Humanities and Social Sciences, BGU.

Professional functions outside the university

1991-1994	Steering Committee and Board of Directors, National Institute for Testing and Evaluation.
1991-1994	Inter-University Admission Policy Committee.
1998	Committee for awarding the Israel Prize in the social sciences.
1999 - 2006	Council of Psychologists, Ministry of Health.
2002 - 2005	Board of Directors, FIRST (Focal Initiative in Research in Science and Technology) Bikura, Israel Science Foundation.
2003-2007	Council of Higher Education (CHE) Committee for the evaluation of the Brain Sciences program at Bar-Ilan University.
2004, 2007	CHE Committee for the evaluation of The Academic College of Tel Aviv-Yafo MA degrees in psychology, Chair.
2006	CHE Committee for the evaluation of MA programs in psychology.
2005-2006	Kindergarten-to-Third-Grade Committee, the educational initiative of the Israel Academy of Sciences, Yad Ha'nadiv and Ministry of Education.
2007-	CHE Committee for the evaluation of Ruppin Academic Center MA degrees in clinical psychology and Emek Israel Academic College BA degree in psychology, Chair.
2007	Committee for awarding the Israel Prize in psychology.
2008	Rothschild Fellowships Committee in the natural, exact and life sciences and engineering.
2008	CHE Committee for the evaluation of accredited psychology and behavioral sciences studies in Israel.

Member of editorial board

1994-2002	Psychologia (Hebrew)
1997-2008	Neuropsychology
2002-	Associate editor: TheScientificWorldJOURNAL - Cognition and Higher Level Brain Function Domains
2006-	Neuropsychologia
2007-	The Open Behavioral Science Journal
2008-	Psyche, the journal of the Association for the Scientific Study of Consciousness

Reviewer

Journals

Acta Psychologica; Archives of General Psychiatry; Behavioral and Brain Functions; Brain and Cognition; Brain Research; British Journal of Psychology; British Journal of Developmental Psychology; Cerebral Cortex; Cognition; Cognitive Brain Research; Cognitive Development; Cognitive Psychology; Cognitive Neuropsychiatry; Consciousness and Cognition; Current Psychology of Cognition; Cortex; Developmental Psychology; European Journal of Cognitive Psychology; Israel Journal of Medical Sciences; Journal of Abnormal Psychology; Journal of Cognitive Neuroscience; Journal of Experimental Child Psychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of the International Neuropsychological Society; Memory and Cognition; NeuroImage; Neuropsychologia; Neuropsychology; Neuroscience; Perception & Psychophysics; Psychiatry Research; Psychologia; Psychological Bulletin; Psychological Research; Psychological Science; Psychonomic Bulletin and Review; Quarterly Journal of Experimental Psychology; Progress in Neuro-Psychopharmacology & Biological Psychiatry; Schizophrenia Research; Trends in

Cognitive Sciences; Visual Cognition.

Books

Oxford University Press.

Grants

Biotechnology and Biological Sciences Research Council, UK (BBSRC); British Academy; Economic and Social Research Council, UK (ESRC); German-Israeli Foundation for Scientific Research and Development (GIF); Israel Science Foundation (ISF); Medical Research Council, UK (MRC); National Science Foundation, USA (NSF); Natural Sciences and Engineering Research Council of Canada (NSERC); US-Israel Binational Science Foundation (BSF); Wellcome Trust, UK.

Grant committees

Israel Science Foundation, Israel Foundations Trustees, Ministry of Education.

Doctoral examiner/doctoral committee membership

Dr. María Ruz Cámara, Universidad de Granada, Spain, May 2005

Dr. Jan Lammertyn, Ghent University, Belgium, March 2006

Dr. Alicia Callejas Sevilla, Universidad de Granada, Spain, June 2006

Mrs. Meltem Ballan, Florida Atlantic University, USA

Society membership

1982 -2006	International Neuropsychological Society - INS
1982	American Psychological Association (foreign affiliate)
1985-2000	Israel Psychological Association
1991	European Society of Cognitive Psychology - ESCOP
1991	Psychonomic Society
1991	Israel Society of Cognitive Psychology
1995	Cognitive Neuroscience Society - CNS
2002	Association for the Scientific Study of Consciousness - ASSC
2003-2007	American Psychological Society - APS
2008	International Academy for Research in Learning Disabilities - IARLD

EDUCATIONAL ACTIVITIES

Courses taught

Attention, Brain and Behavior, Cognitive Neuropsychology, Inferential Statistics, Introduction to Neuropsychology, Introduction to Psychology, Introduction to Statistics, Laboratory in Word Processing, Perception, Psychobiology of Attention, Psychobiology of Word Processing, Research Methods for the Behavioral Sciences.

Research students*

‡ Rothschild post-doctoral fellowship

1985	Dr. Tramer, S., Post-Doc (with Tzelgov)	
1987	Meyer, Y., MA (with Tzelgov)	Munitz, S., MA (with Priel)
1989	Mutzafl, R., MA (with Tzelgov)	Elior, I., MA (with Tzelgov)
	Srebro, R., MA (with Tzelgov)	Dekel, A., MA (with Priel)
1990	Berger, J., MA (with Tzelgov)	
1991	Eben-Ezra, S., MA (with Tzelgov)	Milman, O., MA (with Tzelgov)
	Levi-Manor, T., MA (with Tzelgov)	
1992	Berger, A., MA	Keller, G., MA (with Priel)
1994	Cohen, A., MA	
1995	Cohen, D., MA	Nissimov, E., MA
1996	Dori (Ron), H., MA	Shilo, N., MA
	Ba'adani, A., MA	
1997	Dr. Brodsky, W., Post-Doc	Binyamin, L., MA
	Yanai (Hanuni), M., MA	Spitzer-Davidson, I., MA
1998	Berger, A., PhD ‡ Currently at BGU	Meiran, N., MA
	Amram, S., MA	Rubinsten, O., MA

	Chorev, Z., MA	Safadi, Z., MA
	Jedwab, L., MA	Shmueli, A., MA
2000	Asnin, K., MA	Shalev-Shahar, S., MA
	Dror, H., MA	Yehene, E., MA
	Faran, Y., MA	Zamir, S., MA
2001	Dori (Ron), H., PhD	Fitousi, D., MA
2002	Sapir, A., PhD Currently at the University of Bangor, Wales	
2003	Rubinsten, O. PhD ‡ Currently at Haifa U	Tsalach, D., MA
	Barak, T., MA	Eshar, L., MA
2004	Anaki, D., PhD Currently at Bar-Ilan U	Gnaim, D., MA
	Drori, S., PhD	Schwartz, D., MA
	Beery, H., MA	
2005	Chorev, Z., PhD	Gover, Y., MA
	Kahan, S., PhD	Lichtenstein-Vidne, L., MA
	Biton, T., MA	Cohen Raizes, R., MA
2006	Dr. Mark-Zigdon, N., Post-Doc	Faran, Y., PhD (with Benshalom)
	Cohen Kadosh, R., PhD ‡ Currently at U. of Oxford	Gabay, S., MA
2007	Ron-Kaplan, I., PhD	Goldfarb, L., PhD ‡
	Okon-Singer, H., PhD	Tadir, M., MA
	Bloch-David, Y., PhD	Shimon, R., MA
2008	Safadi, Z., PhD (with Kofman)	Youdcovich, L. MA
	Etrog, M., MA	
2009	Hochman-Cohen, H., PhD	Perry, A. MA
	Bar-Cohen, A., MA	Kutchinsky, Y. MA (with Berger)
Current	Ashkenazi, S., PhD	Cohen, N. PhD
	Gabay, S., PhD	Suetz, N.
	Lichtenstein-Vidne, L., PhD	Aisenberg, D.
	Akiva-Kabiri, L. PhD	Weinbach, N.
	Gertner, L., PhD	
	Neparstek, S., PhD	
	Saltzer, Y. PhD (with Oron)	

* The Department of Behavioral Sciences has PhD studies since 1994.

AWARDS AND RESEARCH FELLOWSHIPS

1980-1981	Rothschild Foundation Postdoctoral Fellowship.
1980-1982	Postdoctoral Fellowship, Neurological Sciences Center, Good Samaritan Hospital, Portland, Oregon.
1997	Japan Society for the Promotion of Science (JSPS) Fellowship.
2000	Zlotowski Chair in Cognitive Neuropsychology, BGU.
2009	BGU President's award for excellence in research

SCIENTIFIC PUBLICATIONS

Book

Henik, A., Rubinsten, O., & Anaki, D. (Eds.). (2005). *Word Norms in Hebrew*. Ben-Gurion University of the Negev.

Chapters in books and conference proceedings

Kahneman, D. & Henik, A. (1981). Perceptual organization and attention. In M. Kubovy & J. Pomerantz (Eds.), *Perceptual organization*. Hillsdale, New Jersey: Lawrence Erlbaum.

Posner, M. I. & Henik, A. (1983). Isolating representational systems. In J. Beck & A. Rosenfeld (Eds.), *Human and machine vision*. New York: Academic Press.

Dinstein, I., Guy, G., Rabany, J., Tzelgov, J. & Henik, A. (1988). On stereo image coding. *Proceedings of the International Conference on Pattern Recognition*, Rome, Italy, November, 14-17.

Dinstein, I., Kim, M. G., Tzelgov, J. & Henik, A. (1989). 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*, San Diego, California, August, 6-11.

Tzelgov, J. & Henik, A. (1990). Insensitivity of the semantic relatedness effect to surface differences and its implications. In R. J. Takens (Ed.), *European perspectives in psychology*. John Wiley.

Rafal, R. & Henik, A. (1994). The neurology of inhibition: Integrating controlled and automatic processes. In D. Dagenbach, & T. H. Carr (Eds.), *Inhibitory processes in attention, memory and language*. New York: Academic Press.

Henik, A. (1995). Cognitive neuropsychology. In *Encyclopaedia Hebraica (Vol.: supplement 3)*. Tel Aviv: Ha'poalim Library. (Hebrew).

Henik, A. & Tzelgov, J. (1997). Automaticity and control - two components of reading skill. In J. Shimron (Ed.), *Psycholinguistic studies in Israel: Language acquisition, reading and writing*. Jerusalem: The Magnes Press. (Hebrew).

Brodsky, W., Henik, A., Rubinstein, B. & Zorman, M. (1998). Demonstrating inner hearing among highly-trained expert musicians. *Proceedings of the Fifth International Conference on Music Perception and Cognition*, Seoul, Korea, August, 26-30.

Brodsky, W., Henik, A., Rubinstein, B. & Zorman, M. (1999). Inner hearing among symphony orchestra musicians: intersectional differences of string-players versus wind-players. In S. W. Yi (Ed.), *Music, mind, and science*. Seoul: Seoul National University Press.

Henik, A. & Carr, T. H. (2002). Inhibition. In V. S. Ramachandran (Ed.), *Encyclopedia of the human brain*. Volume 2, 571-585. San Diego, California: Academic Press.

Henik, A. (2008). Schooling and the brain. In P. S. Klein & Y. B. Yablon (Eds.), *From research to practice in early childhood education* (pp. 31-38). Jerusalem: The Israel Academy of Sciences and Humanities. (Hebrew)

Berger, A., Kofman, O., & Henik, A. (2008). The development of self-regulation: Nature and nurture. In P. S. Klein & Y. B. Yablon (Eds.), *From research to practice in early childhood education* (pp. 39-66). Jerusalem: The Israel Academy of Sciences and Humanities. (Hebrew)

Henik, A., Rubinstein, O., Ashkenazi, S., & Mark-Zigdon, N. (in press). Typical and atypical development of numerical cognition. In J. Burack & J. Enns (Eds.), *Cognitive neuroscience, development, and psychopathology*. Oxford University Press.

Refereed articles in scientific journals

Kahneman, D. & Henik, A. (1977). Effects of visual grouping on immediate recall and selective attention. In S. Dornic (Ed.), *Attention and performance VI*. Hillsdale, New Jersey: Lawrence Erlbaum.

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

Henik, A. (1982). What are the general principles of cognition? *Contemporary Psychology*, 27, 995-996.

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

Henik, A., Friedrich, F. J., & Kellogg, W. A. (1983). The dependence of semantic relatedness effects upon prime processing. *Memory & Cognition*, 11, 366-373.

Stern, E., Tzelgov, J., & Henik, A. (1983). Driving effort and urban route choice. *The Logistics 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.

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

Munitz, S., Priel, B., & Henik, A. (1985). Color, skin color and self color identification among Ethiopian and Israeli-born children. *Israel Social Science Research*, 3, 74-84.
Also in M. Ashkenazi and A. Weingrod (Eds.), *Ethiopian Jews & Israel*. New Brunswick, New Jersey: Transaction Books, 1987.

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

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.

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

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

Henik, A. & Kaplan, L. (1989). Category norms: Findings for Hebrew and a comparison with U.S. norms. *Psychologia*, 1, 104-112. (Hebrew).

Priel, B., Henik, A., Dekel, A., & Tal, A. (1990). Perceived temperamental characteristics and regulation of physiological stress: A study of wheezy babies. *Journal of Pediatric Psychology*, 5, 197-210.

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

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.

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

Friedrich, F. J., Henik, A., & Tzelgov, J. (1991). Automatic processes in lexical access and spreading activation. *Journal of Experimental Psychology: Human Perception and Performance*, 17, 792-806.

Rafal, R., Henik, A., & Smith, J. (1991). Extrageniculate contributions to reflex visual orienting in normal humans: a temporal hemifield advantage. *Journal of Cognitive Neuroscience*, 3, 323-329.

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

Henik, A., Priel, B., & Umansky, R. (1992). Attention and automaticity in semantic processing of schizophrenic patients. *Neuropsychiatry, Neuropsychology and Behavioral Neurology: A Journal of Clinical Neuroscience*, 5, 161-169.

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

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

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

Berger, A. & Henik, A. (1993). Inhibition of return in visual spatial attention. *Psychologia*, *3*, 107-117. (Hebrew).

Henik, A., Dronkers, N., Knight, R., & Osimani, A. (1993). Differential effects of semantic and identity priming in patients with left and right hemisphere lesions. *Journal of Cognitive Neuroscience*, *5*, 45-55.

Henik, A., Singh, J., Beckley, D. J., & Rafal, R. D. (1993). Disinhibition of automatic mental word reading in Parkinson's disease. *Cortex*, *29*, 589-599.

Henik, A., Tzelgov, J., & Friedrich, F. J. (1993). Dissociation of lexical and semantic aspects in 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.

Henik, A., Rafal, R. D., & Rhodes, D. (1994). Endogenously generated and visually guided saccades after lesions of the human frontal eye fields. *Journal of Cognitive Neuroscience*, *6*, 400-411.

Henik, A., Nissimov, E., Priel, B., & Umansky, R. (1995). Effects of cognitive load on semantic priming in schizophrenic patients. *Journal of Abnormal Psychology*, *104*, 576-584.

Tzelgov, J. & Henik, A. (1995). Automaticity, control, and skill: the case of the Stroop effect. *Czasopismo Psychologiczne*, *1*, 7-17. (Polish).

Henik, A. (1996). Paying attention to the Stroop effect? *Journal of the International Neuropsychological Society*, *2*, 467-470.

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

Dori, H. & Henik, A. (1997). Parkinson's disease and attention: a literature survey. *Psychologia*, *6*, 67-82. (Hebrew).

Dronkers, N. F., Baynes, K., Redfern, B. B., & Henik, A. (1997). Hemispheric contributions to conceptual and semantic priming. *Brain and Language*, *60*, 29-31.

Ro, T., Henik, A., Machado, L., & Rafal, R. D. (1997). Transcranial magnetic stimulation of the prefrontal cortex delays contralateral endogenous saccades. *Journal of Cognitive Neuroscience*, *9*, 433-440.

Tzelgov, J., Porat, Z., & Henik, A. (1997). Automaticity and consciousness: Is perceiving the word necessary for reading it? *The American Journal of Psychology*, *110*, 429-448.

Berger, A., Dori, H., & Henik, A. (1999). Peripheral non-informative cues do induce early facilitation of target detection! *European Journal of Cognitive Psychology*, *11*, 119-137.

Henik, A., Ro, T., Merrill, D., Rafal, R., & Safadi, Z. (1999). Interactions between color and word processing in a flanker task. *Journal of Experimental Psychology: Human Perception and Performance*, *25*, 198-209.

Sapir, A., Soroker, N., Berger, A., & Henik, A. (1999). Inhibition of return in spatial attention: Direct evidence for collicular generation. *Nature Neuroscience*, *2*, 1053-1054.

- Berger, A. & Henik, A. (2000). The endogenous modulation of IOR is nasal-temporal asymmetric. *Journal of Cognitive Neuroscience*, *12*, 421-428.
- 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.
- Meiran, N., Levin, Y., Meiran, N., & Henik, A. (2000). Task set switching in schizophrenia. *Neuropsychology*, *14*, 471-482.
- Chorev, Z. & Henik, A. (2001). The selective negative priming effect: return to an inhibition account. *Brain & Cognition*, *47*, 136-139.
- Salo, R., Henik, A., & Robertson, L. C. (2001). Interpreting Stroop interference: An analysis of differences between task versions. *Neuropsychology*, *15*, 462-471.
- Sapir, A., Henik, A., Dobrusin, M., & Hochman, E. (2001). Attentional asymmetry in schizophrenia: Disengagement and inhibition of return deficits. *Neuropsychology*, *15*, 361-370.
- Gidron, Y., Barak, T., Henik, A., Gurman, G., & Steiner, O. (2002). Implicit learning of emotional information under anesthesia. *NeuroReport*, *13*, 139-142.
- Henik, A., Carter, C. S., Salo, R., Chaderjian, M., Kraft, L., Nordahl, T. E., & Robertson, L. C. (2002). Attentional control and word inhibition in schizophrenia. *Psychiatry Research*, *110*, 137-149.
- Morein-Zamir, S., Henik, A., & Spitzer-Davidson, I. (2002). The importance of variance in irrelevant dimensions to congruency effects. *Psychonomic Bulletin & Review*, *9*, 119-125.
- Rubinsten, O. & Henik, A. (2002). Is an ant larger than a lion? *Acta Psychologica*, *111*, 141-145.
- Rubinsten, O., Henik, A., Berger, A., & Shahar-Shalev, S. (2002). The development of internal representations of magnitude and their association with Arabic numerals. *Journal of Experimental Child Psychology*, *81*, 74-92.
- Salo, R., Henik, A., Nordahl, T. E., & Robertson, L. C. (2002). Time course of inhibition and facilitation in patients with schizophrenia. *Cognitive Neuropsychiatry*, *7*, 283 - 300.
- Salo, R., Henik, A., Nordahl, T. E., & Robertson, L. C. (2002). Immediate versus sustained processing in schizophrenia. *Journal of the International Neuropsychological Society*, *8*, 794-803.
- Salo, R., Nordahl, T. E., Possin, K., Leamon, M., Gibson, D. R., Galloway, G. P., Flynn, N. M., Henik, A., Pfefferbaum, A., & Sullivan, E. V. (2002). Preliminary evidence of reduced cognitive inhibition in methamphetamine dependent individuals. *Psychiatry Research*, *111*, 65-74.
- Sapir, A., Rafal, R., & Henik, A. (2002). Attending to the thalamus: Inhibition of return and nasal-temporal asymmetry in the pulvinar. *NeuroReport*, *13*, 693-697.
- Yamaguchi, S., Toyoda, G., Xu, J., Kobayashi, S., & Henik, A. (2002). Electroencephalographic activity in a flanker interference task using Japanese orthography. *Journal of Cognitive Neuroscience*, *14*, 971-979.
- Anaki, D. & Henik, A. (2003). Is there a "strength effect" in automatic semantic priming? *Memory & Cognition*, *31*, 262-272.
- Brodsky, W., Henik, A., Rubinstein, B., & Zorman, M. (2003). Auditory imagery from musical notation in expert musicians. *Perception & Psychophysics*, *65*, 602-612.
- Henik, A. & Salo, R. (2004). Schizophrenia and the Stroop Effect. *Behavioral and Cognitive Neuroscience Reviews*, *3*, 42-59.

Sacher, Y., Serfaty, C., Deouell, L., Sapir, A., Henik, A., & Soroker, N. (2004). Role of disengagement failure and attentional gradient in unilateral spatial neglect – a longitudinal study. *Disability and Rehabilitation*, *26*, 746-755.

Sapir, A., Hayes, A., Henik, A., Danziger, S., & Rafal, R. (2004). Parietal lobe lesions disrupt saccadic remapping of inhibitory location tagging. *Journal of Cognitive Neuroscience*, *16*, 503-509.

Anaki, D., Faran, Y., Ben-Shalom, D., & Henik, A. (2005). The false memory and the mirror effects: The role of familiarity and backward association in creating false recollections. *Journal of Memory and Language*, *52*, 87-102.

Berger, A., Henik, A., & Rafal, R. (2005). Competition between endogenous and exogenous orienting of visual attention. *Journal of Experimental Psychology: General*, *134*, 207-221.

Cohen Kadosh, R., Henik, A., Rubinsten, O., Mohr, H., Dori, H., Van de Ven, V., Zorzi, M., Hendler, T., Goebel, R., & Linden, D. (2005). Are numbers special? The comparison systems of the human brain investigated by fMRI. *Neuropsychologia*, *43*, 1238-1248.

Cohen Kadosh, R., Sagiv, N., Linden, D. E. J., Robertson, L. C., Elinger, G., & Henik, A. (2005). When blue is larger than red: Colors influence numerical cognition in synesthesia. *Journal of Cognitive Neuroscience*, *17*, 1766-1773.

Morein-Zamir, S., Henik, A., Balas, M., & Soroker, N. (2005). Differential processing of word and color in unilateral spatial neglect. *Cognitive Brain Research*, *23*, 259-269.

Rubinsten, O. & Henik, A. (2005). Automatic activation of internal magnitudes: A study of developmental dyscalculia. *Neuropsychology*, *19*, 641-648.

Cohen Kadosh, R. & Henik, A. (2006). A common representation for semantic and physical properties: A cognitive-anatomical approach. *Experimental Psychology*, *53*, 87-94.

Cohen Kadosh, R. & Henik, A. (2006). When a line is a number: color yields magnitude information in a digit-color synesthete. *Neuroscience*, *137*, 3-5.

Cohen Kadosh, R. & Henik, A. (2006). Color congruity effect: Where do colors and numbers interact in synesthesia? *Cortex*, *42*, 259-263.

Dori, H. & Henik, A. (2006). Indications for two attentional gradients in endogenous visual-spatial attention. *Visual Cognition*, *13*, 116-201.

Goldfarb, L. & Henik, A. (2006). New data analysis of the Stroop matching task calls for a theory reevaluation. *Psychological Science*, *17*, 96-100.

Levy-Drori, S. & Henik, A. (2006). Concreteness and context availability in lexical decision tasks. *The American Journal of Psychology*, *119*, 45-65.

Rubinsten, O. & Henik, A. (2006). Double dissociation of functions in developmental dyslexia and dyscalculia. *Journal of Educational Psychology*, *98*, 854-867.

Berger, A., Kofman, O., Livneh, U., & Henik, A. (2007). Multidisciplinary perspectives on attention and the development of self-regulation. *Progress in Neurobiology*, *82*, 256-286.

Cohen Kadosh, R., Cohen Kadosh, K., & Henik, A. (2007). The neuronal correlate of bi-directional synesthesia: A combined event-related potential and functional magnetic resonance imaging study. *Journal of Cognitive Neuroscience*, *19*, 2050-2059.

Cohen Kadosh, R., Cohen Kadosh, K., Kaas, A., Henik, A., & Goebel, R. (2007). Notation dependent and independent representations of numbers in the parietal lobes. *Neuron*, *53*, 307-314.

Cohen Kadosh, R., Cohen Kadosh, K., Linden, D.E.J., Gevers, W., Berger, A., & Henik, A. (2007). The brain locus of interaction between number and size: A combined functional magnetic resonance imaging and event-related potential study. *Journal of Cognitive Neuroscience*, *19*, 957-970.

Cohen Kadosh, R., Cohen Kadosh, K., Schuhmann, T., Kaas, A., Goebel, R., Henik, A., & Sack, A. T. (2007). Virtual dyscalculia induced by parietal lobe TMS impairs automatic magnitude processing. *Current Biology*, *17*, 689-693.

Cohen-Kadosh, R. & Henik, A. (2007). Can synaesthesia research inform cognitive science? *Trends in Cognitive Sciences*, *11*, 177-184.

Cohen Kadosh, R., Henik, A., & Rubinsten, O. (2007). The effect of orientation on number word processing. *Acta Psychologica*, *124*, 370-381.

Cohen-Kadosh, R., Henik, A., Walsh, V. (2007). Small is bright and big is dark in synaesthesia. *Current Biology*, *17*, 834-835.

Cohen Kadosh, R., Walsh, V., & Henik, A. (2007). Selecting between intelligent options. *Behavioral and Brain Sciences*, *30*, 155.

Goldfarb, L. & Henik, A. (2007). Evidence for task conflict in the Stroop effect. *Journal of Experimental Psychology: Human Perception and Performance*, *33*, 1170-1176.

Lichtenstein-Vidne, L., Henik, A., & Safadi, Z. (2007). Task-relevance modulates the effects of peripheral distractors. *The Quarterly Journal of Experimental Psychology*, *60*, 1216-1226.

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

Ron-Kaplan, I. & Henik, A. (2007). Verbal ability modulates the associative neighbors effect. *Psychonomic Bulletin & Review*, *14*, 81-87.

Sapir, A., Dobrusin, M., Ben-Besat, G., & Henik, A. (2007). Neuroleptics reverse attentional effects in schizophrenia patients. *Neuropsychologia*, *45*, 3263-3271.

Ashkenazi, S., Henik, A., Ifergane, G., & Shelef, I. (2008). Basic numerical processing in left intraparietal sulcus (IPS) acalculia. *Cortex*, *44*, 439-448.

Brodsky, W., Kessler, Y., Rubinsten, B., Ginsborg, J., & Henik, A. (2008). The mental representation of music notation: Notational audiation. *Journal of Experimental Psychology: Human Perception and Performance*, *34*, 427-445.

Cohen Kadosh, R., Brodsky, W., Levin, M., & Henik, A. (2008). Mental representation: What can pitch tell us about the distance effect? *Cortex*, *44*, 470-477.

Cohen Kadosh, R., Cohen Kadosh, K., & Henik, A. (2008). When brightness counts: The neuronal correlate of numerical-luminance interference. *Cerebral Cortex*, *18*, 337-343.

Cohen Kadosh, R., Cohen Kadosh, K., Henik, A., & Linden, D. E. J. (2008). Processing conflicting information: Facilitation, interference, and functional connectivity. *Neuropsychologia*, *46*, 2872-2879.

Cohen Kadosh, R., Henik, A., & Rubinsten, O. (2008). Are Arabic and verbal numbers processed in different ways? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *34*, 1377-1391.

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: Striving for the right direction. *Cognition*, *106*, 564–567.

Gabay, S. & Henik, A. (2008). The effects of expectancy on inhibition of return. *Cognition*, *106*, 1478-1486.

Ashkenazi, S., Mark-Zigdon, N., & Henik, A. (2009). Numerical distance effect in developmental dyscalculia. *Cognitive Development*, *24*, 387-400.

Ashkenazi, S., Rubinsten, O., & Henik, A. (2009). Attention, automaticity and developmental dyscalculia. *Neuropsychology*, *23*, 535-540.

Cohen Kadosh, R., Henik, A., Catena, A., Walsh, V., & Fuentes, L. J. (2009). Induced cross-modal synesthetic experience without abnormal neuronal connections. *Psychological Science*, *20*, 258-265.

Cohen Kadosh, R., Henik, A., & Walsh, V. (2009). Synaesthesia: Learned or lost? *Developmental Science*, *12*, 484-491.

Gebuis, T., Cohen Kadosh, R., de Haan, E., & Henik, A. (2009). Automatic quantity processing in 5-year olds and adults. *Cognitive Processing*, *2*, 133-142.

Gertner, L., Henik, A., & Cohen Kadosh, R. (2009). When 9 is not on the right: Implications from number-form synesthesia. *Consciousness and Cognition*, *18*, 366-374.

Rubinsten, O., & Henik, A. (2009). Developmental dyscalculia: Heterogeneity may not mean different mechanisms. *Trends in Cognitive Sciences*, *13*, 92-99.

Gabay, S. & Henik, A. (2010). Temporal expectancy modulates inhibition of return in a discrimination task. *Psychonomic Bulletin & Review*, *17*, 47-51.

Ashkenazi, S. & Henik, A. (in press). Attentional networks in developmental dyscalculia. *Behavioral and Brain Functions*.

Henik, A., Rubinsten, O., Ashkenazi, S., & Mark-Zigdon, N. (in press). Neurocognitive aspects of numerical processing and developmental dyscalculia. *Literacy and Language*. (Hebrew).

Unrefereed articles in journals

Henik, A., & Rubinsten, O. (2007). Arithmetic not so simple. *Scientific American Israel*, *5*, 6-7. (Hebrew).

Henik, A., & Rubinsten, O. (2008). Neurocognitive aspects of developmental dyscalculia. *MEDICINE: Pediatrics*, *6*, 42-46. (Hebrew).

ORGANIZED WORKSHOPS and SYMPOSIA

Henik, A. (2003). The Italian-Israeli Workshop on Cognitive Neuroscience. October 19th-21st, Ben-Gurion University of the Negev, Beer Sheva, Israel. Sponsored by the Italian Embassy, Israel and Ben-Gurion University of the Negev.

Henik, A., Cohen Kadosh, R., Walsh, V., & Soroker, N. (2009). A Workshop on the Functions of the Parietal Lobes. March 29th-April 2nd, Jerusalem, Israel. Sponsored by Batsheva de Rothschild Fund, the Institute for Advanced Studies, Hebrew University Jerusalem, and the Israel Science Foundation.

Henik, A. & Rubinsten, O. (2009). Neurocognitive Contributions to Understanding Mathematical Deficiencies. September, ESCoP conference, Krakow, Poland.

LECTURES AND PRESENTATIONS AT CONFERENCES

Invited lectures at conferences/meetings

Henik, A. (1991). Dissociation between semantic and lexical processing, the effects of cognitive load and cortical lesion. Presented at the conference on Recent Advances in the Analysis of Attention, UC Davis, June.

Henik, A. (1992). Dissociation between lexical and semantic processing. Presented at Brain Functions in Health and Disease: The Charles E. Smith Symposium in Memory of Mr. A. Harman, Jerusalem, June.

Henik, A. & Berger, A. (1993). Psychobiology of controlled and automatic orienting of visual attention. Presented at the 32nd congress of the International Union of Physiological Sciences (IUPS), Glasgow, August.

Henik, A. (2000). Studies of color-word interactions in normal and patient populations using a flanker-Stroop paradigm. Presented at the XXXVII International Congress of Psychology, Stockholm, Sweden, July.

Henik, A. & Sapir, A. (2001). Inhibition of return in visual spatial orienting. Presented at the III Scientific Conference of Attention, Almeria, Spain, September.

Henik, A. & Cohen Kadosh, R. (2005). When blue is larger than red: Color modulates magnitude judgments. Presented at the First International Conference on Art and Synesthesia, Almeria, Spain, July.

Henik, A., Cohen Kadosh, R., & Cohen Kadosh, K. (2006). When red is a number: Neurocognitive roots of synesthesia. Presented at the Seeing the Voices: Multi-Disciplinary View of Synesthesia and Cross-Modal Transfers, Tel-Aviv, Israel, March.

Presentation of papers at conferences/meetings

Henik, A. & Tzelgov, J. (1981). On the relation between physical and numerical sizes. Paper presented at the meeting of the American Psychological Association, Los Angeles, CA, August.

Friedrich, F. J., Kellogg, W. A. & Henik, A. (1982). Effects of mode of processing on semantic activation. Paper presented at the meeting of the Psychonomic Society, November.

Posner, M. I., Henik, A. & McLeod, P. (1982). Patterns of cross-talk between sensory, cognitive and response systems. Paper presented at the meeting of the Psychonomic Society, Minneapolis, Minn., November.

Walker, J. A., Henik, A., Posner, M. I. & Friedrich, F. J. (1982). Visual orienting deficits in humans following parietal lobe lesions. Paper presented at the 12th Annual Meeting of the Society for Neuroscience.

Glenn, C. G., Henik, A., Marin, O. S. M. & Walker, J. A. (1983). The relationship between visual perception and visually-guided hand movements: a case study of optic ataxia. Paper presented at the meeting of the International Neuropsychological Society (INS), February.

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

Henik, A. & Osimani, A. (1987). Indications for a dissociation between attentional systems: evidence from parietal patients. Paper presented at the Annual Meeting of the Israeli Psychological Association, Tel-Aviv, March.

Meyer, I., Tzelgov, J. & Henik, A. (1987). Automatic processing of numerical information. Paper presented at the Annual Meeting of the Israeli Psychological Association, Tel-Aviv, March.

Tzelgov, J., Henik, A. & Leiser, D. (1987). Interlanguage and intralanguage Stroop interference in Arabic-Hebrew bilinguals. Paper presented at the Annual 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, August.

Friedrich, F. J., Henik, A. & Osimani, A. (1990). Effects of parietal lesions on word matching in Hebrew and English readers. Poster presented at the conference on Recent in the Analysis of Attention, University of Oregon, June.

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

Henik, A., Rafal, R. & Knight, R. (1990). Inhibitory spatial tagging and visual attention: contributions of prefrontal cortex and basal ganglia. *Society for Neuroscience (abstract)*.

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

Tzelgov, J. & Henik, A. (1990). Controlling Stroop effect. Paper presented at the meeting of the European Society for Cognitive Psychology (ESGOP), Como, Italy, September.

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

Berger, A., Henik, A. & Rafal, R. (1991). Exogenous and endogenous orienting of visual attention. Presented at the conference on Recent Advances in the Analysis of Attention, UC Davis, June.

Henik, A., Rafal, R. & Rhodes, D. (1991). Endogenously generated and visually guided saccades after lesions of the human frontal eye fields. *Society for Neuroscience (abstract)*.

Egly, R., Rafal, R. D. & Henik, A. (1992). Reflexive and voluntary orienting in detection and discrimination tasks. Presented at the 33rd Annual Meeting of the Psychonomic Society, St. Louis, November.

Henik, A. (1992). Automaticity in picture-word priming. Presented at the fifth ESCOP conference, Paris, France, September.

Henik, A., Dronkers, N. F., Knight, R. T. & Osimani, A. (1992). Dissociation of semantic and lexical processing by lesions to association cortex. Presented at the 20th INS meeting, San Diego, CA, February. *Journal of Clinical and Experimental Neuropsychology*, 14, 26, (abstract).

Henik, A., Singh, J., Beckley, D. J. & Rafal, R. D. (1992). Stroop effects in patients with early and late onset Parkinson's disease. Presented at the 20th INS meeting, San Diego, CA, February. *Journal of Clinical and Experimental Neuropsychology*, 14, 81, (abstract).

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

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

Carter, C. S., Robertson, L., Nordahl, T. E., Chaderjian, M. C., O'Shara-Celaya, L. J. & Henik, A. (1995). Expectancy and attentional control in schizophrenia. *Biological Psychiatry*, 37, 638, (abstract).

Henik, A., Ro, T., Merrill, D. & Rafal, R. (1995). Interference between colors and words: translation is not necessary. Presented at the 36th Annual Meeting of the Psychonomic Society, Los Angeles, CA, November.

Salo, R., Robertson, L., Henik, A. & Nordahl, T. E. (1995). Dissociation between Stroop interference and negative priming. Presented at the 2nd Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, CA, March.

Henik, A. (1996). Interactions between color and word processing in a flanker-Stoop task. Presented at the ninth ESCOP conference, Würzburg, Germany, September.

Dronkers, N. F., Redfern, B. B. & Henik, A. (1997). Automatic and controlled conceptual and semantic priming in aphasic patients. *Journal of the International Neuropsychological Society*, 3, 37, (abstract).

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

Henik, A., Ro, T., Rafal, R., & Egly, R. (1998). Involvement of the lateral prefrontal cortex in color-word interactions. Presented at the 21st Annual INS meeting, Budapest, Hungary, July. *Journal of the International Neuropsychological Society*, 4, 222, (abstract).

Anaki, D. & Henik, A. (1999). Effect of cognitive load and its timing on semantic priming. Presented at the eleventh ESCOP conference, Gent, Belgium, September.

Chorev, Z. & Henik, A. (1999). Selectivity in selective attention. Presented at the eleventh ESCOP conference, Gent, Belgium, September.

Henik, A. (2000). Studies of color-word interactions in normal and patient populations using a flanker-Stroop paradigm. Presented at the XXVII International Congress of Psychology, Stockholm, Sweden, July.

Henik, A., & Drori, S. (2000). Concreteness and context availability in lexical decision. Presented at the 41st Annual Meeting of the Psychonomic Society, New Orleans, LA, November.

Sapir, A., Rafal R., Hayes, A., & Henik A. (2000). The role of the parietal lobe in environmental coding. Presented at the Parietal Lobe and Neglect Conference, Como, Italy.

Anaki, D. & Henik, A. (2001). Visual word recognition and spatial attention: Independence or interactive systems? Presented at the twelfth ESCOP conference, Edinburgh, UK, September.

Chorev, Z., Sapir, A., & Henik, A. (2001). Does absence of a distractor mean absence of selection? Evidence from the spatial negative priming paradigm. Presented at the twelfth ESCOP conference, Edinburgh, UK, September.

Faran, Y., Anaki, D., Henik, A., & Ben-Shalom, D. (2001). Does false memory mimic veridical memory? Common factors influencing both phenomena. Presented at the twelfth ESCOP conference, Edinburgh, UK, September.

Rubinsten, O., Henik, A., & Dronkers, N. (2001). Is the right hemisphere capable of reading and understanding a word? Presented at the twelfth ESCOP conference, Edinburgh, UK, September.

Danziger, S., Hochman, H., & Henik, A. (2002). The effect of mapping words to manual and vocal responses in the Stroop task. Presented at the 43rd Annual Meeting of the Psychonomic Society, Kansas City, Missouri, November.

Rubinsten, O., Henik, A., & Dronkers, N. (2003). Is the right hemisphere capable of reading and understanding a word? Presented at the 10th Annual Meeting of CNS, New York, NY, March.

Drori, S. & Henik, A. (2003). Concreteness effect and imagery ability in word recognition. Presented at the 10th Annual Meeting of CNS, New York, NY, March.

Faran, Y., Anaki, D., Hoffman, Y., Klipper, K., Henik, A., & Ben-Shalom, D. (2003). Impaired mirror effect on recognition after damage limited to the hippocampus. Presented at the 10th Annual Meeting of CNS, New York, NY, March.

Sapir, A., Dobrusin, M., Ben-Besat, G., Henik, A. (2003). Neuroleptics reverse attentional asymmetry in schizophrenia but do not influence inhibitory processes. Presented at the 10th Annual Meeting of CNS, New York, NY, March.

Cohen-Kadosh, R., Henik, A., Rubinsten, O., Dori, H., Bloch-David, Y., Mohr, H., van de Ven, V., Zorzi, M., Hendlar, T., & Linden, D. (2003). Are numbers special? A common system for numerical and physical comparisons in the parietal lobes. Presented at the 10th Annual Meeting of CNS, New York, NY, March. (*Abstract p. 64*).

Anaki, D., Gover, Y., & Henik, A. (2003). Conflict resolution and spatial attention: Dissociation between endogenous and exogenous orienting. Presented at the 10th Annual Meeting of CNS, New York, NY, March.

Okon-Singer, H. & Henik, A. (2003). Emotion modulates attention: The effects of emotional stimuli on orienting. Presented at the 44th Annual Meeting of the Psychonomic Society, Vancouver, BC, Canada, November. (*Abstract p. 38*).

Bloch-David, Y., Henik, A., & Rafal, R. (2003). Number comparison in patients with bilateral lesions of the intraparietal cortex. Presented at the XIII ESCOP conference, Granada, Spain, September.

Cohen-Kadosh, R., Henik, A., & Rubinsten, O. (2003). Are Arabic and word numbers processed in different ways? Presented at the XIII ESCOP conference, Granada, Spain, September.

Goldfarb, L. & Henik, A. (2003). Colour-word matching generates a robust reverse Stroop effect. Presented at the XIII ESCOP conference, Granada, Spain, September.

Henik, A., Kahan, S., Sapir, A., & Moran, O. (2003). Gaze direction does produce inhibition of return. Presented at the XIII ESCOP conference, Granada, Spain, September.

Rubinsten, O., Henik, A., & Perlstein, O. (2003). Developmental acalculia hinders automatic association of quantities with their representative Arabic numerals. Presented at the XIII ESCOP conference, Granada, Spain, September.

Safadi, Z., Henik, A., & Kofman, O. (2003). Modulation of flanker interference in a Stroop-flanker paradigm. Presented at the XIII ESCOP conference, Granada, Spain, September.

Cohen-Kadosh, R., Sagiv, N., Elinger, G., Robertson, L., Linden, D., & Henik, A. (2004). The magnitude of colors and numbers in synesthesia. Presented at the 11th Annual Meeting of the CNS, San Francisco, CA, April. (*Abstract p. 25*).

Hochman, H., Danziger, S., & Henik, A. (2004). Emotional valence and semantic neighborhood. Presented at the 11th Annual Meeting of the CNS, San Francisco, CA, April. (*Abstract p. 29*).

Cohen-Kadosh, R., Sagiv, N., Linden, D., Robertson, L., Elinger, G., & Henik, A. (2004). When blue is larger than red - implicit activation of magnitude in synesthesia. Presented at the 8th annual meeting of the Association for the Scientific Study of Consciousness, Antwerp, Belgium, June.

Henik, A., Cohen-Kadosh, R., & Tadir, M. (2004). Colors affect numerical processing in synesthesia. Presented at the 4th Annual National Meeting of the American Synesthesia Association, Berkeley, CA, November.

Bloch-David, Y., Henik, A., & Rafal, R. (2005). Number comparison in patients with bilateral lesions of the intraparietal cortex. Presented at the 12th Annual Meeting of the CNS, New York, NY, April. (*Abstract p. 66*).

- Cohen-Kadosh, K., Cohen-Kadosh, R., Linden, D. E. J., Berger, A., & Henik, A. (2005). Same place, same time? Tackling the comparison mechanism in the brain with ERP and fMRI. Presented at the 12th Annual Meeting of the CNS, New York, NY, April. (*Abstract p. 68*).
- Cohen-Kadosh, R., Linden, D. E. J., Cohen-Kadosh, K., & Henik, A. (2005). Early vs. late resolution of conflicts: paying attention to the motor cortex. Presented at the 12th Annual Meeting of the CNS, New York, NY, April. (*Abstract p. 68*).
- Goldfarb, L. & Henik, A. (2005). Does the task-role conflict, based on anterior cingulate activation, have behavioral support. Presented at the 12th Annual Meeting of the CNS, New York, NY, April. (*Abstract p. 20*).
- Okon-Singer, H., Kofman, O., Lerman, S. & Henik, A. (2005). The effects of emotional stimuli on orienting of attention. Presented at the 12th Annual Meeting of the CNS, New York, NY, April. (*Abstract p. 61*).
- Ron-Kaplan, I. & Henik, A. (2005). The effect of associative neighbors on word processing: study of individual differences. Presented at the 12th Annual Meeting of the CNS, New York, NY, April. (*Abstract p. 73*).
- Henik, A., Cohen-Kadosh, R., & Tadir, M. (2005). Implicit effects of colors in synesthesia. Presented at the Annual Meeting of the UK Synesthesia Association, London, UK, April.
- Ashkenazi, S., Rubinsten, O., & Henik, A. (2005). The influence of attentional load on the performance in a numeric Stroop-like paradigm. Presented at the XIV ESCoP conference, Leiden, the Netherlands, September.
- Cohen-Kadosh, R., Linden, D. E. J., Cohen-Kadosh, K., & Henik, A. (2005). Late resolution of conflict in the brain: Evidence for parallel comparison systems. Presented at the XIV ESCoP conference, Leiden, the Netherlands, September.
- Gabai, S. & Henik, A. (2005). Expectancy on inhibition of return. Presented at the XIV ESCoP conference, Leiden, the Netherlands, September.
- Henik, A., Cohen-Kadosh, R., & Tadir, M. (2005). Implicit bi-directionality in synesthesia. Presented at the XIV ESCoP conference, Leiden, the Netherlands, September.
- Mark-Zigdon, N., Rubinsten, O., & Henik, A. (2005). Big and small vs. before and after: Numerical judgment mechanisms. Presented at the XIV ESCoP conference, Leiden, the Netherlands, September.
- Henik, A. & Goldfarb, L. (2005). New analysis of Stroop matching task calls for theory reevaluation. Presented at the 46th Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada, November. (*Abstract p. 79*).
- Cohen-Kadosh, K., Cohen-Kadosh, R., Schuhmann, T., Kaas, A., Goebel, R., Henik, A., & Sack, A. T. (2006). Virtual dyscalculia after TMS to the right parietal lobe: A combined fMRI and neuronavigated TMS study. Presented at the 13th Annual Meeting of the CNS, San-Francisco, CA, April. (*Abstract p. 14*).
- Bloch-David, Y. & Henik, A. (2006). Are small and large numbers processed differently? The influence of input modality. Presented at the 13th Annual Meeting of the CNS, San-Francisco, CA, April. (*Abstract p. 69*).
- Dori, H. & Henik, A. (2006). Further investigation into the two attentional gradients theory. Presented at the 13th Annual Meeting of the CNS, San-Francisco, CA, April. (*Abstract p. 87*).
- Ron-Kaplan I., Hochman H., & Henik, A. (2006). The effect of associative neighbors on word processing: an fMRI study. Presented at the 13th Annual Meeting of the CNS, San-Francisco, CA, April. (*Abstract p. 91*).

Cohen-Kadosh, R., Cohen-Kadosh, K., & Henik, A. (2006). When a line is a number: Color yields magnitude information in a digit-color synesthete. Presented at the 13th Annual Meeting of the CNS, San-Francisco, CA, April. (*Abstract p. 152*).

Henik, A., Cohen-Kadosh, R., & Cohen-Kadosh, K. (2007). When red is a number: Neuro-cognitive roots of synesthesia. Presented at the 6th Annual National Meeting of the American Synesthesia Association, St. Petersburg, FL, January.

Ashkenazi, S. & Henik, A. (2007). The dissociation between retrieval of arithmetical facts and estimation abilities: A single case study of acquired dyscalculia. Presented at the 14th Annual Meeting of the CNS, New York, NY, May. (*Abstract p. 110*).

Gabay, S. & Henik, A. (2007). The effect of expectancy on inhibition of return: Detection vs. discrimination paradigms. Presented at the 14th Annual Meeting of the CNS, New York, NY, May. (*Abstract p. 31*).

Goldfarb, L. & Henik, A. (2007). Are single-digit numbers always represented on the mental number line? Presented at the 14th Annual Meeting of the CNS, New York, NY, May. (*Abstract p. 109*).

Mark-Zigdon, N., Ashkenazi, S., Ifergane, G., Shelef, I., & Henik, A. (2007). Subitizing and counting in dyscalculia. Presented at the 14th Annual Meeting of the CNS, New York, NY, May. (*Abstract p. 110*).

van Koningsbruggen, M., Gabay, S., Henik, A., & Rafal, R. (2007). Disruption of remapping of IOR after TMS stimulation of the parietal cortex. Presented at the 14th Annual Meeting of the CNS, New York, NY, May. (*Abstract p. 33*).

Henik, A., Ashkenazi, S., Ifergane, G., & Shelef, I. (2007). Basic numerical abilities, the IPS and visuo-spatial perception: A case study. Presented at the Workshop on Number, Space, & Action, Aachen, Germany, March.

Henik, A. (2007). Neuropsychological mechanisms underlying developmental dyscalculia. Presented at the 31st Annual Meeting of the International Academy for Research in Learning Disabilities (IARLD), Bled, Slovenia, July.

Diesendruck, L., Gertner, L., Goldfarb, L., Botzer, L., & Henik, A. (2008). Space matters: Evidence from month-form synesthesia. Presented at the 15th Annual Meeting of the CNS, San-Francisco, CA, April. (*Abstract p. 102*).

Ashkenazi, S., & Henik, A. (2009). Specific attentional profile in pure developmental dyscalculia. Presented at the 16th Annual Meeting of the CNS, San-Francisco, CA, March. (*Abstract p. 40*).

Gabay, S., Pertzov, Y., Gredstein, L., Henik, A., & Avidan, G. (2009). Linking the ocular motor system and reflexive allocation of attention: An fMRI investigation. Presented at the 16th Annual Meeting of the CNS, San-Francisco, CA, March. (*Abstract p. 43*).

Naparstek, S., & Henik, A. (2009). Count me in! On the automaticity of enumeration processes. Presented at the 16th Annual Meeting of the CNS, San-Francisco, CA, March. (*Abstract p. 112*).

Gertner, L., & Henik, A. (2009). Hearing 9 attending right – insights from number-form synesthesia. Presented at the 16th Annual Meeting of the CNS, San-Francisco, CA, March. (*Abstract p. 112*).

Henik, A. (2009). Neurocognitive mechanisms of developmental dyscalculia. Presented at The Functions of the Parietal Lobes, Jerusalem, Israel, March-April.

Ashkenazi, S., & Henik, A. (2009). How pure is pure developmental dyscalculia. Presented at the 16th ESCoP conference, Krakow, Poland, September.

Leibovich, T., Yona, K., Ashkenazi, S., Rubinsten, O., & Henik, A. (2009). Size matters: Performance is modulated by the ratio of sizes. Presented at the 16th ESCoP conference, Krakow, Poland, September.

Cohen, N., Henik, A., & Mor, N. (2009). Can emotion modulate attention or is it the other way around? Presented at the 16th ESCoP conference, Krakow, Poland, September.

Dekalo, T., Berger, A., Rubinsten, O., Tzelgov, J., & Henik, A. (2009). The development of automaticity in number processing. Presented at the 16th ESCoP conference, Krakow, Poland, September.

Aisenberg, D., & Henik, A. (2009). Simon effect – not just interference. Presented at the 16th ESCoP conference, Krakow, Poland, September.

RESEARCH GRANTS

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|------|---|
| 1985 | U.S. - Israel Binational Science Foundation, Henik, A., Tzelgov, J. & Friedrich, F. J. Semantic activation during word and picture recognition. Two Years. \$51,850 |
| 1987 | U.S. - Israel Binational Science Foundation, Henik, A., Tzelgov, J., Friedrich, F. J. & Osimani, A. Shared and specific attentional mechanisms in spatial and semantic systems. Three Years. \$90,200 |
| 1987 | National Council for Research and Development, Dinstein, I., Tzelgov, J. & Henik, A. Psychological aspects in stereoscopic picture compression. Two Years. \$30,000 |
| 1987 | Israel Ministry of Defense, Henik, A. Improving the usage of thermal imaging (FLIR) techniques. Two Years. \$18,670 |
| 1988 | Enosh - Psychobiology, Priel, B. & Henik, A. Attentional deficits in semantic processing of schizophrenic patients. One Year. \$10,000 |
| 1990 | Israel Foundations Trustees, Tzelgov, J. & Henik, A. Controlled processing in semantic network. Two Years. \$20,000 |
| 1991 | Psychobiology, Henik, A. & Priel, B. Semantic and lexical processing in schizophrenic patients. Two Years. \$19,000 |
| 1994 | The Israel Science Foundation (ISF), Henik, A. Shifting attention between semantic categories: automaticity and intentional control. Three Years. \$51,750 |
| 1996 | U.S. Army Research Institute, Henik, A., Brainin, E. & Dovrath, R. The preservation and the decay of military skills. Five years. \$290,000 |
| 1996 | ISF, Henik, A. Work stations for neuropsychology laboratory. Equipment grant. \$52,000 |
| 1998 | ISF, Henik, A. Attention, intention, and semantic priming in schizophrenia. Three Years. \$108,000 |
| 2000 | Arc en Ciel/Keshet, Boucart, M. & Henik, A. Temporal and spatial selection in vision: Studies of normal subjects, pathology and psychopharmacology. Travel grant from the French Government. |
| 2001 | ISF, Henik, A. Selective attention - the fate of the to-be-ignored stimuli. Four Years. \$171,000 |
| 2003 | ISF, Brodsky, W. & Henik, A. Notational audiation: The mental representation of musical notation. One Year. \$30,000 |
| 2004 | Israel Ministry of Education, Henik, A. & Berger, A. How changing “ײ” to “2” influence |

- processes of attention and automaticity in number processing in elementary school children. One year. \$10,000
- 2005 ISF, Henik, A. Attention and brain mechanisms in synesthesia. Four Years. \$33,000 per year.
- 2005 ISF, Berger, A. & Henik, A. The development of number representation during childhood. Four Years. \$28,000 per year.
- 2006 Israel Ministry of Science and Technology, Henik, A. & Rubinsten, O. Characterization and diagnosis of people with developmental dyscalculia. One year. \$20,000.
- 2006 Israel Ministry of Education, Henik, A., Bentin, S., Berger, A., Stavy, R., Tzelgov, J., Reiner, M., & Shalev, R. Planning and consulting team in neuroscience, cognitive science and education. Two years. \$225,000.
- 2008 ISF-IAS (Institute for Advanced Studies, Hebrew University)-Bat Sheva De Rothschild, joint seminar funding: The Functions of the Parietal Lobes, March 29th-April 2nd 2009. \$80,000.
- 2008 ISF Center of Excellence, Henik, A. (coordinator), Tzelgov, J., Berger, A., & Rubinsten, O. The neurocognitive basis of numerical cognition. Four years, \$232,000 per year.
- 2010 ISF, Henik, A. & Rubinsten, O. Research workshop: Typical and atypical neurocognitive aspects of numerical processing. \$17,000.

PRESENT ACADEMIC ACTIVITIES

Research in progress

My research encompasses cognitive systems dealing with numerical processing, word processing, attention (spatial and selective), and synesthesia. In all of these areas I investigate the brain-behavior relationship both in normal and brain-injured populations. To this end, I use behavioral methods as well as various neuroimaging techniques like fMRI and ERP. I also use transcranial magnetic stimulation (TMS) with non-injured participants.

Articles to be published

Submitted for publication

Bloch-David, Y. & Henik, A. The Influence of random line on the numerical distance effect.

Bloch-David, Y., Henik, A., & Rubinsten, O. The influence of input modality on the numerical distance effect.

Eshar-Sprinzak, L. & Henik, A. Are arithmetic operations connected or segregated?

van Koningsbruggen, M. G., Gabay, S., Sapir, A., Henik, A., & Rafal R. D. Hemispheric asymmetry in the remapping and maintenance of visual saliency maps; A TMS study

Ron-Kaplan, I., Hochman, H., Cohen Kadosh, R. & Henik, A. The effect of associative neighbors on word processing: An fMRI study.

Ron-Kaplan, I., & Henik, A. How can individual differences inform the study of word processing? (Hebrew).

In preparation

Goldfarb, L., & Henik, A. Controlling perceptual input via task demands can generate a reverse Stroop effect in a reading task.

Goldfarb, L., Henik, A., & Rubinsten, O. Perceptual and response based components in the numerical distance effect.

Hochman-Cohen, H., Berger, A., Rubinsten, O., & Henik, A. Does the learning of two symbolic sets of numbers affect the automaticity of number processing in children?

Rubinsten, O. & Henik, A. The roots of simple arithmetic facts: A study of developmental dyscalculia.

Sapir, A., Dori, H., & Henik, A. Moving attention back to the center reveals early IOR.