

Personal Information

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Current Status Professor of Cognitive Psychology
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Education

1995: *PhD in Psychology*, Aristotle's University of Thessaloniki, Philosophical School, Department of Psychology
1993: *Ms in Psychology*, Aristotle's University of Thessaloniki, Philosophical School, Department of Pedagogy, Philosophy and Psychology
1988: *Diploma in Philosophy, Pedagogy and Psychology (Major: Psychology)*, Aristotle's University of Thessaloniki, Philosophical School, Department of Philosophy, Pedagogy and Psychology

Academic Positions

2017-now Professor of Cognitive Psychology, Department of Primary Education, DUTH.
2012-2017 Associate Professor of Cognitive Psychology, Department of Primary Education, DUTH.
2006-2012 Assistant Professor of Cognitive Psychology, Department of Primary Education, DUTH.
2001-2006 Lecturer of Cognitive Psychology, Department of Primary Education, DUTH.
2001-now Tutor in the Thematic Unit: Children's Development in Social Context (Hellenic Open University).

Research Interests

- Development of self - awareness (theory of mind, metacognition, consciousness).
- Structure and development of executive functions.
- Conceptual change.

Invitations – Collaborations

2013-2014 Scientific collaboration, upon invitation, with Prof. Andreas Demetriou, Chair of The Research Institute of University of Nicosia.
2014 Visiting Scholar at the Institute of growth and child development, Michigan University, Ann Arbor, USA.
2014 Lecture entitled: "Self mapping and awareness of cognitive processes during childhood and their relation to cognitive performance and executive functions", Department of Psychology, Michigan University, Ann Arbor, USA.

Participation in Funded Research Programs (indicative)

2019-2022 Levels of cognitive and linguistic cognizance from preschool age to adolescence: Their interactions with executive and reasoning processes (LeCogn). Funded by Hellenic Foundation of Research and Innovation (HFRI).
2013-2016 Personalized Patient Empowerment and Shared Decision Support for Cardiorenal Disease and Comorbidities (CARRE). CARRE is a Specific Targeted Research Project partially funded by the European Union, under FP7-ICT-2013-10, Theme 5.1. "Personalized health, active ageing & independent living".
2012 –2015 Main researcher in Thalys Program: *Cognitive mechanisms in the perception, representation and organization of knowledge (COGMEC)*. The program was co-funded by the European Union.

- 2009-2012** Member of the research network team “*The Linnaeus International Project on Integrative Approaches within Teacher Education*” (TLP), funded by the Swedish Foundation for International Cooperation in Research and Higher Education.
- 2002-2005** Member of the research team: *Migrant children's integration through teachers' training in intercultural awareness*. The program was co-funded by the European Union.
- 2002-2004** Coordinator of the evaluation Team of the Operational Program Education and Initial Professional Qualification: *Students' Field Practice in the School of Primary Education, Department of Primary Education, Democritus University of Thrace*. The Program was co-funded by the European Union.

Leaderships

- 2021-2025** Chair of the Regional Committee of the Model and Experimental Schools of East Macedonia and Thrace.
- 2020-2023** Member of the Academic Supervision Committee of the Ms Program: Applied Developmental Psychology, Hellenic Open University.
- 2020-2022** Vice President of the Department of Primary Education, DUTH.
- 2017-2020** Chair of the Sector of Pedagogy and Psychology, Department of Primary Education, DUTH.
- 2016-2017** Replacement Member of the National Council of Primary Education Higher Members' Selection.
- 2016-now** Advisor of the National Academic Recognition Center (Hellenic NARIC) for the recognition of university degrees that are awarded in Education Sciences by foreign Higher Education Institutions (H.F.R.I.).
- 2007 –now** (Elected) Member of the Administration Board of the Greek Psychological Society (Current Chair: Associate Professor Spyros Tantaros, National University of Athens)
- 2007-2014** (Elected) Member of the Administration Board of the Greek Society of Cognitive Science (Chair: Professor Stella Vosniadou, National University of Athens)
- 2010-now** Chair of the Scientific and Supervision Committee of the Model and Experimental Primary School of Alexandroupolis.
- 2009-2010** Vice president of Academic Affairs of the Didaskaleio¹ “Theodoros Kastanos” of the Department of Primary Education of Democritus University of Thrace
- 2010-2012** Vice president of Financial Management and Affairs of the Didaskaleio “Theodoros Kastanos” of the Department of Primary Education of Democritus University of Thrace
- 2003-2007** Coordinator of the SIG of Cognitive Psychology of the Greek Psychological Society

Collaboration with Scientific Journals

- Editor in chief of *PSYCHOLOGY*, the Journal of the Greek Psychological Society.
- Member of the Editorial Board of the Journal of the Hellenic Psychology (Editor in Chief: Prof. A. Efklides.
- Reviewer of papers submitted in *Child Development Journal, Metacognition and Learning Journal, the International Journal for the of Psychology of Religion, The Hellenic Journal of Psychology*, in “*PSYCHOLOGY*” (The journal of the Greek Psychological Society), the *Scientific Annual of the Psychological Association of Northern Greece*.

Supervising PhD Theses

PhD Theses (as supervisor):

Supervision of five (5) PhD theses on topics related to cognitive development.

PhD Theses (as member of the advisors committee):

Member of the advisors committee of twelve (12) PhD theses (DUTH, National University of Athens, University of Western Macedonia).

MSc theses (supervisor)

¹“Didaskaleio” is a public Institute for supplementary in - service teachers' education.

Ten (10) research projects- Postgraduate Courses (Department of Primary Education- DUTH)
Fifty four (44) research projects - Postgraduate Course: Master's in Education/Education (Hellenic Open University).

Publications

Books

Demetriou, A. Greiff, S., Kazi, S., Karousou, A., **Makris, N.** Panaoura, R., Spanoudis, G, &Vainikainen, M.P. (in alphabetical order) (2022). *Educating the Developing Mind*. London: Routledge.

Makris, N. (2013, in Greek). *Philosophical, Psychological and Neuroscientific Approaches of Consciousness*. Athens: Dardanos Press. ISBN: 978-960-01-1575-8.

Editing of Greek Version of International Editions

Makris, N. & Kazi, S. (Editing the Greek Version) (2022). *Growing minds: A developmental theory of intelligence, brain, and education*, A. Demetriou & G. Spanoudis. Athens: Dardanos Press.

N. Makris (Editing of the Greek Version) (2018). *Cognitive Psychology: Connecting mind, research, and Every Day Experience*, E. Bruce Goldstein Athens: Dardanos Press. ISBN: 978-960-01-1963-3.

N. Makris & D Pnevmatikos (Editing of the Greek Version) (2011). *Motivation in Education*, D. Shunk, P. Pintrich, & J. L. Meece. Athens: Dardanos Press.

Papers (indicative)

Demetriou, A., Golino, H., Spanoudis, G., **Makris, N.**, Greiff, S. (2021). The future of intelligence: The central meaning-making unit of intelligence in the mind, the brain, and artificial intelligence. *Intelligence*, <https://doi.org/10.1016/j.intell.2021.101562>

Demetriou, A., Kazi, S., **Makris, N.**, & Spanoudis, S. (2020). Cognitive ability, cognitive self-awareness, and school performance: From childhood to adolescence. *Intelligence*, 17. <http://dx.doi.org/10.1016/j.intell.2020.101432>

Demetriou, A., **Makris, N.**, Tachmatzidis, D., Kazi, S., & Spanoudis, S. (2019). Decomposing the Influence of Mental Processes on Academic Performance. *Intelligence*. <https://psycnet.apa.org/doi/10.1016/j.intell.2019.101404>

Kazi, S., Kazali, E., **Makris, N.**, Spanoudis, G., & Demetriou, A. (2019). Cognizance in Cognitive Development: A Longitudinal Study. *Cognitive Development*, <https://doi.org/10.1016/j.cogdev.2019.100805>

Demetriou, A., Kazi, S., Spanoudis, G., & **Makris, N.** (2019). Predicting school performance from cognitive ability, self-representation, and personality from primary school to senior high school. *Intelligence*, 76, <https://doi.org/10.1016/j.intell.2019.101381>

Vosniadou, S. Pnevmatikos, D., & **Makris, N.**, Lepenioti, D., Eikospentaki, K., Chounatala, A., & Kyrianakis, G (resubmitted). Testing the Co-Existence of Scientific Theories and Initial Belief Systems. *Cognition*.

Vosniadou, S. Pnevmatikos, D., & **Makris, N.**, Lepenioti, D., Eikospentaki, K., Chounatala, A., & Kyrianakis, G (2018). The recruitment of shifting and inhibition in conceptual change on-line science and mathematical tasks. *Cognitive Science*, 42(6), 1860-1886.

Vosniadou, S., Pnevmatikos, D., **Makris, N.** (2018). The role of executive function in the construction and employment of scientific and mathematical concepts that require conceptual change learning. *Neuroeducation Journal*, 5(2), 62-72.

- Makris, N.** & Pnevmatikos, D. (Resubmitted). Inhibitory control helps children's understanding of other minds. *Journal of Experimental Child Psychology*.
- Pnevmatikos, S. & **Makris, N.** (Accepted for publication in Greek). The role of executive function on conceptual change. In E. Skopeliti & A. Kyriakopoulou (Eds.), *Cognition and Learning from Conceptual Change Perspective*. Athens: Gutenberg.
- Tahmatzidis & **Makris, N.** (2018). Mirror neurons and language acquisition. *Psychology*, 21 (2), 15-31.
- Demetriou, A., **Makris, N.**, Kazi, S., Spanoudis, G., Shayer, M., & Kazali, E. (2018). Mapping the dimensions of general intelligence: An integrated differential-developmental theory. *Human Development*, 61 (1).
- Demetriou, A., **Makris, N.**, Kazi, S., Spanoudis, G., & Shayer, M. (2018). The developmental trinity of mind: Cognizance, executive control, and reasoning. *WIREs Cognitive Science*, doi.org/10.1002/wcs.1461.
- Makris, N.**, Tachmatzidis, D., Demetriou, A., Spanoudis, G. (2017). Mapping the evolving core of intelligence: Changing relations between executive control, reasoning, language, and awareness. *Intelligence*, doi.org/10.1016/j.intell.2017.01.006
- Demetriou, A., **Makris, N.**, & Pnevmatikos, D. (2016). Commentary/Norenzayan et al.: The cultural evolution of prosocial religions. Mind God's mind: History, development, and teaching. *Brain and Behavioural Sciences*, 39, 1-65.
- Vosniadou, S., Pnevmatikos, D., **Makris, N.**, Ikospentaki, K., Lepenioti, D., Chountala, A., & Kyrianakis, G. (2015). Executive functions and conceptual change in science and mathematics. In D. C. Noele, R. Dale, A.S. Warlaumont, J. Yoshimi, T. Mattlock, D.C. Jennings, & P.P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society*, pp. 2529-2534. Austin, TX: Cognitive Science Society.
- Kaldoudi, E. & **Makris, N.** (2015). Patient Empowerment as a Cognitive Process. In: C. Verdier, M. Bienkiewicz, A. Fred, H. Gamboa and D. Elias (Eds.), *The Proceedings of HealthInf 2015: 8th International Conference on Health Informatics*, pp. 605-610, Lisbon, Portugal. (ISBN: 978-989-758-068-0)
- Makris, N.** (2014, in Greek). Cognitive developmental theories about consciousness. In P. Roussos (Ed.), *Cognitive Psychology: Higher cognitive processes*, pp. 245-272. Athens: Topos Press.
- Pnevmatikos, D. & **Makris, N.** (2011, in Greek). The concept of God. Conceptual change and mental models. *Psychology*, 1, 1-19.
- Makris, N.**, & Pnevmatikos, D. (2010). The development of children's knowledge about consciousness. In A. Fiedler and I. Kuester (Eds.). *Child development and child poverty (pp. 135 - 154)*. New York: Nova Science Publishers, Inc.
- Pnevmatikos, D., & **Makris, N.** (2010). Cross-cultural evidence supporting the existence of constraints in conceptual development: Are the places where Allah and God live the same? In J. Hakansson (Ed.), *Developmental Psychology (pp. 117-133)*. New York: Nova Science Publishers, Inc.
- Makris, N.** (2009, in Greek). Brain and consciousness or brain and perception? Comments on Moutoussis, K, & Logothetis, N. "Brain and consciousness". *Noessis (Cognition)*, 5, 157-164.
- Kazi, S., **Makris, N.**, & Demetriou A. (2008). Self-awareness and self-mapping of cognitive processes from early childhood to adolescence. In M. F. Shaughnessy, M. J. Veenman, & C. K. Kennedy (Eds.). *Meta-cognition: A Recent Review of Research, Theory, and Perspectives*, pp. 141-159. New York: Nova Science Publishers, Inc.
- Makris, N.** & Pnevmatikos, D. (2008, in Greek). Awareness about personal mind: Origins, nature and development. In S. Samartzi & A. Demetriou (Eds.), *Cognitive development, Noessis (Cognition)*, 4, 143-166.

Makris, N. & Pnevmatikos, D. (2008, in Greek). The development of children's knowledge about consciousness. In P. Kordoutis, E. Masoura, & Z. Papaligoura (Eds.). Scientific Annual of School of Philosophy, Department of Psychology, 7. *Thessaloniki: Aristotle's University Press*.

Makris, N., & Pnevmatikos, D. (2007). Children's understanding of the human and super – natural mind. *Journal of Cognitive Development*, 22 (3), 365-375.

Makris, N., & Pnevmatikos, D. (2007). Children's Knowledge about Consciousness: A Developmental Perspective. In S. Vosniadou, D. Kaiser, & A. Protopapas (Eds.), *Proceedings of European Cognitive Science Conference* (p. 888). UK: Lawrence Erlbaum Associates

Presentations at Conferences and Scientific Meetings

More than 100 papers have been presented at national and international conferences and scientific meetings.

Organising Scientific Meetings and Conferences (indicative)

- 2022** Member of the Organizing Committee of the 2020 Biennial Meeting of The International Society for the Study of Behavioral Development (ISSBD), June, Rhodos (Chair: Prof. Frosso Motti, University of Athens).
- 2019** Member of the Scientific Committee of the 19th European Conference of The European Association of Developmental Psychology, August, Athens (Chair: Prof. Spyros Tantaros, University of Athens).
- 2019** 2019 Chair of the 17th National Conference of the Greek Psychological Society, May, Alexandroupolis, Greece.
- 2013** Chair of the Organizing Committee of the 14th National Conference of the Greek Psychological Society, May, Alexandroupolis, Greece.
- 2010** Chair of the Scientific Committee of the 3rd National conference of the SIG of Developmental Psychology of the Greek Psychological Society.
- 2004** Chair of the 1st National conference of the SIG of Cognitive Psychology of the Greek Psychological Society