

MAMMARELLA, IRENE CRISTINA

Personal information

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Google Scholar: <http://scholar.google.it/citations?user=Do6mhd8AAAAJ&hl=it>;

Lab Website: <http://www.dpss.unipd.it/DD-lab/home>

• ACADEMIC POSITIONS

2017-Now: Associate professor of Developmental Psychology (M-PSI/04)-Department of Developmental and Social Psychology, University of Padova, Italy

2008–2017: Assistant professor of Developmental Psychology (M-PSI/04)-Department of Developmental and Social Psychology, University of Padova, Italy

2006 –2008: Post-doc fellow at the Department of General Psychology. University of Padova, Italy.

• EDUCATION

2003 – 2006: PhD in Psychology. Department of General Psychology, University of Padova (Italy).

2006: Summer School on Human Memory (Organized by ESCoP Society) Bubion-Granada (Spain)

1997–2002: M.Sc. Degree in Psychology, vote 110/110 cum laude - Faculty of Psychology, University of Padova, Italy.

• RESEARCH INTERESTS

Specific Learning Disorders (Developmental Dyscalculia, Dyslexia); Nonverbal Learning Disability; High functioning autism; visuospatial working memory in developmental disorders; emotional aspects (mathematics anxiety, anxiety) in developmental disorders and in relation to academic achievement

• TEACHING ACTIVITIES

2014 – Now: Undergraduate level course on “Developmental disabilities”. Second level: undergraduate – School of Psychology, University of Padova, Italy

2011 – Now: Master level course on “Assessment and intervention on learning disabilities”. School of Psychology, University of Padova, Italy

2009 – Now: Teaching activities for a post-lauream course on Learning Disabilities, University of Padova, Italy

2009 – 2018: Undergraduate level course on “Life span development and disabilities”. Second level: undergraduate – Social services, University of Padova, Italy

2011- 2014: Teaching activities for PhD students on Developmental Psychology, University of Padova , taly

2006-2007: Undergraduate level course on “Psychology of learning disabilities”. Faculty of Psychology, Valle D’Aosta University, Italy

• SUPERVISION OF PHD STUDENTS AND POSTDOCTORAL FELLOWS

2019 – Now: Post-doctoral training grant for Ramona Cardillo. Project title: Static vs dynamic visuospatial dimensions in Autism spectrum disorders: The underlying role of executive functions, early motor skills and the social adaptive consequences.

2018 – 2019: Post-doctoral training grant for Ramona Cardillo. Project title: How testing test anxiety in children?

2018: External examiner of a PhD dissertation, University of Trieste, Italy. (Renata Martinčić, Supervisor: Prof. A. Galmonte).

2017-2018: Supervisor of a visiting PhD student: Larissa De Souza Salvador, Federal University of Minas Gerais (Brasil)

2016: External examiner of a PhD dissertation, Melbourne School of Psychological Sciences, The University of Melbourne, Australia. (Elizabeth Thomas, Supervisor: Prof. R. Reeve)

2015 – 2018: Supervisor of the PhD student Enrica Donolato. Project title: How do emotional aspects and cognitive processes modulate academic achievement in atypical development? University of Padova, Italy.

2015: Final committee member for a PhD dissertation at the Center for Neuroscience in Education University of Cambridge, UK. (Swiya Nath, Supervisor: Prof. D. Szücs)

2015: Final committee member for a PhD dissertation, at the University of Trieste. Italy. (Hiwet Miriam Costa, Supervisor: Prof. M. C. Passolunghi)

2014 – 2017: Supervisor of the PhD student Ramona Cardillo. Project title: Cognitive mechanisms and specificity of visuospatial ability in Nonverbal Learning Disorder, and High Functioning Autism. University of Padova, Italy.

2013–2015: Post-doctoral training grant for Dr. Sara Caviola. Project title: The development of strategies selection in mental subtraction and the role of visuo-spatial working memory. University of Padova, Italy.

2013–: 2014: Co-supervisor of the post-doctoral training grant for Dr. David Giofrè: Geometric achievement in children. University of Padova

2013: Final committee member for a PhD dissertation at the University of Valencia, Spain. (Carla Colomer, Supervisor: Prof. A. Miranda)

Impact of young collaborators: S. Caviola: Marie Curie fellow at the University of Cambridge (UK) – Lecturer at University of Leeds (UK); D. Giofrè: Lecturer at Liverpool John Moores University (UK); R. Cardillo: post-doc fellow at the University of Padova, (Italy). E. Donolato: post-doc fellow at the University of Oslo (Norway).

• **VISITING RESEARCHER/TEACHING MOBILITY**

2019: Visiting researcher, School of Psychology, University of Leeds (UK)

2018: Visiting researcher, Goldsmith University of London (UK).

2017: Visiting researcher, Liverpool John Moores University (UK).

2015: Visiting researcher at the Federal University of Minas Gerais (Brasil), Faculdade de Filosofia e Ciências Humanas.

2013: Visiting researcher and Erasmus Teaching mobility, Université Catholique de Louvain-la-Neuve (Belgium).

2004: Visiting scholar at the Department of Psychology – University of Gent, Belgium

2003: Visiting scholar at the Department of Psychology – University of Toronto, and at the The Hospital for Sick Children, Toronto, Canada

• **GRANTS**

2018-2021: Partner of the project “Network Euganeo: the educational community” founded by “Con i bambini” foundation (€ 560000,00)

2018-2019: PI of the grant funded by Galton Institute “Mathematics difficulties in dyscalculia and ADHD” (€ 12500,00)

2017- 2018: FSE- PON 2014-2020 “Improving basic competences in students”, partnership with the school of Badia Polesine, Rovigo, Italy (€ 61902,00)

2016- 2018: PI of a grant funded by the University of Padova. Project title: How testing test anxiety in children? A new self-report measure and its relation to resilience in children with learning disabilities (€ 34000,00)

2013- 2015: Post-doctoral training grant, funded by the University of Padova. Project title: The development of strategies selection in mental subtraction and the role of visuo-spatial working memory (€ 48000,00)

2013- 2015: Co-I of a grant funded by the University of Padova. Project title: A visuospatial working memory training for individuals with Down Syndrome. PI: Dr. S. Lanfranchi (€ 30355,00)

2011- 2013: Co-I of a grant funded by the University of Padova. Project title: Psychopathological consequences of Non-verbal learning disabilities and Attention Deficit and Hyperactivity disorders. PI: Dr. M. Ghisi (€ 19250,00)

- **MAJOR INTERNATIONAL COLLABORATIONS**

2018- Now: Yulia Kovas, Goldsmith University of London - UK

2017- Now: Margaret Semrud-Clikeman, University of Minnesota, (USA); Ann Dowker –University of Oxford, (UK); Virginie Crollen - Université Catholique de Louvain-la-Neuve, (Belgium)

2016- Now: Monica Melby-Lervag – University of Oslo, (Norway)

2015- Now: Herbert Roeyers - University of Gent, (Belgium)

2014- Now: Vitor Geraldi Haase – Universidade Federal de Minas Gerais (Brasil); Carla Colomer Diago - Universitat Jaume I de Castellón (Spain)

2013- Now: Denes Szücs - Cambridge University (UK);

2012-Now: Jodene Fine – College of Education, Michigan State University (USA)

2010-Now: Jo-Anne LeFevre - Carleton University Ottawa (Canada); Colin Hamilton - Northumbria University, Newcastle (UK)

- **CLINICAL ACTIVITY**

Since 2004 Diagnosis and Interventions for Specific Learning Disorders and other developmental disorders (L.I.Ri.P.A.C till 2013; Lab.D.A. till now).

ENGAGEMENT AND IMPACT

- **INTERNATIONAL SERVICES**

2018– Now: Committee for members and associate Members of the IARLD (International Academy for Research in Learning Disabilities)

2017– Now: Member of the Committee for the recognition of the Visuospatial developmental Disorder (Nonverbal learning disability) in the DSM 5. Organized by the Nonverbal learning disability project, and the Columbia University, Institute of Psychiatry, New York, USA

2015– Now: Reviewer committee for the JUnior REsearchers (JURE) and EARLI conferences.

- **NATIONAL SERVICES**

2016 – Now: Member of the National committee of the Consensus Conference for the revision of the guidelines for Specific Learning Disorders (organized by the Italian Association of Dyslexia and the National Health Institute). I am coordinators of two groups: the first, on developmental dyscalculia, the second on the National laws for specific learning disorders

2016 – Now: Member of a committee in the Regional order of psychologists (Ordine degli Psicologi del Veneto) for the role of the school psychologists.

2012 –2016: Reviewer for the VQR (Research quality evaluation) ANVUR (National evaluation agency of research and universities)

2013: Scientific evaluation of FIRB projects, MIUR (Italian ministry of research and university)

- **INSTITUTIONAL RESPONSIBILITIES**

2017 – Now: Exchange Coordinator of the Erasmus programme between the Faculty of Educational Science, University of Oslo (Norway) and the University of Padova

2016 – Now: Exchange Coordinator of the Erasmus programme between the Department of Natural Sciences and Psychology, Liverpool John Moores University, UK and the University of Padova

2015 – Now: Exchange Coordinator of the Erasmus programme between the Departments of Psychology of the University of Gent and the University of Padova

2014 – Now: Director of a post lauream (Master) course on Developmental Psychopathology, University of Padova, Italy

2013 – Now: Co-founder of a start-up of the University of Padova on learning and developmental disabilities (www.labda-spinoff.it)

2009 – Now: Member of the Ph.D. program in Psychology, University of Padova, Italy

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

Founder and member of the Scientific Committee of the SRLD (Society for research on learning disorders) international association www.the-srld.org

Founder and member of the Executive Committee of the AIDNV (Italian association for Nonverbal learning disability) www.aidnv.it

Member of the APS (Association for Psychological Science)

Member of the Flux Society for Developmental Cognitive Neuroscience

Full member of MCLS (Mathematical Cognition and Learning Society)

Full member of EARLI (European Association for Research on Learning and Instruction)

Full member of IARLD (International Academy for Research in Learning Disabilities)

Member of the Executive Committee and of the Scientific Committee of the AIRIPA (Italian Association for Learning Disabilities Research and Intervention)

Member of AIP (Italian Association of Psychology – Development and Education section)

- **ORGANIZATION OF SCIENTIFIC MEETINGS (selected)**

2019: Chair of the 1st conference of the Society for Research on Learning Disorders, Padova, Italy

2018: Organization committee of the 16th European Workshop on Imagery and Cognition, Padova, Italy

2018: Organization committee of the 11th European Conference on psychological theory and research on Intellectual and Developmental Disabilities, Padova, Italy

May, 2017: Organization of an International Workshop on Nonverbal learning disability and visuospatial difficulties, University of Padova, around 250 participants

2012: Organization committee of the IARLD conference (International Academy for Research on Learning Disabilities), around 300 participants, Padova, Italy

2009 – Now: Organization of the national AIRIPA Conference, around 1000 participants every year, Italy

- **INTERNATIONAL RESEARCH NETWORKS**

Member of the COST action IS1401ELN “STRENGTHENING EUROPEANS’ CAPABILITIES BY ESTABLISHING THE EUROPEAN LITERACY NETWORK”

EDITORIAL ACTIVITY AND PUBLICATIONS

- **EDITORIAL BOARDS**

2018 – Now: Academic Editor for PlosOne and member of the editorial board

2018 – Now: Consulting editor and member of the editorial board of Educational Psychology

2017 – Now: Member of the editorial board of Learning and Individual Differences

2015 – Now: Member of the editorial board of the Journal of Experimental Child Psychology

- **AD HOC REVIEWER FOR FOUNDATIONS**

Netherlands Organisation for Scientific Research; the F.R.S.-FNRS (FONDS DE LA RECHERCHE SCIENTIFIQUE)

Israel Science Foundation (ISF)

Agence Nationale de la Recherche (France)

Swiss National Science Foundation

- **AD HOC REVIEWER FOR INTERNATIONAL JOURNALS**

Ad-hoc reviewer for around 40 international journals including: Developmental Science, Child Development Perspectives, Neuropsychology, Child Development, Developmental Psychology, Plos One, Learning and Instruction, Journal of Experimental Child Psychology, Cognitive Development, Journal of Learning Disabilities, Disability Developmental Medicine & Child Neurology, Research in Developmental Disabilities, Learning & Individual Differences.

- **INVITED TALKS AT INTERNATIONAL CONFERENCES (selected)**

(2017, November): Non Verbal Learning Disabilities: New Directions in Research and Practice. International conference on Specific Learning Disorders – European Institute of Applied Psychology and Galton Institute, Milan, Italy

(2016, May): Failures in working memory binding in children with Nonverbal learning disability. Symposium chaired by M. McDaniel, 29th APS Convention, Chicago, USA

(2015, May): **Main Lecture.** III Congresso Mineiro de Neuropsicologia –Nonverbal Learning Disability: Diagnostic criteria and neuropsychological profile - Belo Horizonte, Brasil.

(2015, September). Mathematics anxiety in primary and secondary school students: Developmental changes and the role of working memory. Symposium organized by S. White, 17th ECDP, Braga, Portugal.

(2015, August). Math anxiety and Developmental Dyscalculia: A study on working memory processes. Symposium organized by D. Szücs, 16th Biennial Conference, EARLI, Limassol, Cyprus.

(2012, June). Which criteria for the diagnosis of non-verbal learning disabilities. Symposium organized by I. C. Mammarella & C. Cornoldi, XXXVI IARLD Conference, Padova.

(2010, January). Spatial working memory and arithmetic deficits in Nonverbal learning difficulties (NLD) children. Symposium organized by C. Cornoldi. XXXIV IARLD Conference, Miami, USA.

(2008, June). Spatial working memory impairments in children with difficulties in arithmetic word problem solving. Symposium organized by O. Jerman. IARLD Conference, Toronto, Canada.

- **ORGANISATION OF SIMPOSIA AT INTERNATIONAL CONFERENCES**

42nd IARLD Conference, July, 1-3, 2018, Gent (Belgium). Emotional factors in Specific Learning Disorders and difficulties

29th ICPS Convention, March, 23-25, 2017. Vienna, Austria. Cognitive processes underlying mathematics: Educational and clinical implications -

36th IARLD Conference, 7-9 Giugno, 2012, Padova, Italy. Symposium on Nonverbal learning disability in memory of B. Rourke. Which criteria for the diagnosis of non-verbal learning disabilities. Organised together with Prof. C. Cornoldi

- **OTHER TALKS/POSTERS AT SCIENTIFIC CONFERENCES**

Since 2003, I've presented around 50 talks/posters at international congresses as either the presenting or the senior author (e.g., *SRCD, EARLI, ICOM, ESCOP, EWOMS*).

I've organized several symposia and round-tables and I've been invited as discussant of symposia in National conferences (*AIRIPA, AIP*).

PUBLICATIONS IN INTERNATIONAL PEER-REVIEW SCIENTIFIC JOURNALS

1. **Mammarella, I. C.**, Cardillo, R., & Zocante, L. (2019). Differences in visuospatial processing in individuals with Non-verbal learning disability or Autism spectrum disorder without intellectual disability. *Neuropsychology*, *33*, 123-134. doi: 10.1037/neu0000492
2. Hamilton, C., **Mammarella, I. C.**, & Giofrè, D. (2018). Autistic-Like Traits in Children are Associated with Enhanced Performance in a Qualitative Visual Working Memory Task. *Autism Research*, *11*, 1494-1499. doi: 10.1002/aur.2028
3. Muratori, P. Lochman, J. E., Bertacchi, I., Giuli, C., Guarguagni, E., Pisano, S., Gallani, A., **Mammarella, I. C.** (2019). Coping Power for pre-schoolers: Effects on pre-academic skills. *School Psychology, International*, doi: 10.1177/0143034318814587
4. Giofrè, D., Donolato, E., & **Mammarella, I. C.** (2018). Verbal and visuospatial WM & academic achievement. *Trends in Neuroscience and Education*, *12*, 1-6. doi: 10.1016/j.tine.2018.07.001 Cardillo, R., Menazza, C. & **Mammarella, I. C.** (2018). Visuoconstructive Abilities and Visuospatial Memory in Autism Spectrum Disorder Without Intellectual Disability: Is the Role of Local Bias Specific to the Cognitive Domain Tested? *Neuropsychology*. doi: 10.1037/neu0000472
5. Capodiecici, A., Crisci, G., & **Mammarella, I. C.** (2018). Does Positive Illusory Bias Affect Self-Concept and Loneliness in Children With Symptoms of ADHD? *Journal of Attention Disorders*. doi: 10.1177/1087054718763735
6. **Mammarella, I. C.**, Donolato, E., Caviola, S., & Giofrè, D. (2018). Anxiety profiles and protective factors: A latent profile analysis. *Personality & Individual Differences*, *124*, 201-208. doi: 10.1016/j.paid.2017.12.017
7. **Mammarella, I. C.**, Caviola, S., Giofrè, D. & Szücs, D. (2018). The underlying structure of visuospatial working memory in children with mathematical learning disability. *British Journal of Developmental Psychology*, doi: 10.1111/bjdp.12202
8. **Mammarella, I. C.**, Caviola, S., Giofrè, D., & Borella, E. (2017). Separating math from anxiety: The role of inhibitory mechanisms. *Applied Neuropsychology: Child*, doi: 10.1080/21622965.2017.1341836
9. Cardillo, R., Basso Garcia, R., **Mammarella, I. C.**, & Cornoldi, C. (2017). Pragmatics of language and theory of mind in children with Dyslexia associated to language difficulties or Nonverbal learning disabilities. *Applied Neuropsychology: Child*. doi: 10.1080/21622965.2017.1297946
10. Caviola, S., Carey, E., **Mammarella, I. C.** & Szücs, D. (2017). Stress, time pressure, math anxiety and strategy selection in mathematical tasks. *Frontiers in Psychology: Cognition*, *8*, 1488. doi: 10.3389/fpsyg.2017.01488
11. Donolato, E., Giofrè, D., & **Mammarella, I. C.** (2017). Differences in verbal and visuospatial forward and backward order recall: A review of the literature. *Frontiers in Psychology: Cognition*. *8*, 663. doi: 10.3389/fpsyg.2017.00663
12. Giofrè, D., Borella, E., & **Mammarella, I. C.** (2017). The relationship between intelligence, working memory, academic self-esteem and academic achievement. *Journal of Cognitive Psychology*, *29*, 731-747. doi: 10.1080/20445911.2017.1310110
13. Lanfranchi, S., Pulina, F., Carretti, B., & **Mammarella, I. C.** (2017). Increasing spatial-simultaneous working memory in individuals with Down syndrome. *Research in Developmental Disabilities*, *64*, 117-129. doi: 10.1016/j.ridd.2017.03.012
14. Cardillo, R., **Mammarella, I. C.**, Garcia, R.B., & Cornoldi, C. (2017). Local and global processing in block design tasks in children with dyslexia or nonverbal learning disability. *Research in Developmental Disabilities*, *64*, 96-107. doi: 10.1016/j.ridd.2017.03.011

15. Caviola, S., Primi, C., Chiesi, F., & **Mammarella, I. C.** (2017). Psychometric properties of the Abbreviated Math Anxiety Scale (AMAS) in an Italian primary-school children sample. *Learning and Individual Differences*, *55*, 174-182. doi: 10.1016/j.lindif.2017.03.006
16. Meneghetti, C., Cardillo, R., **Mammarella, I. C.**, Caviola, S., & Borella, E. (2017). The role of practice and strategy in mental rotation training: Transfer and maintenance effects. *Psychological Research*, *81*, 415-431. doi: 10.1007/s00426-016-0749-2
17. Caviola, S., Gerotto, G., & **Mammarella, I. C.**, (2016). Computer-based training for improving mental calculation in third and fifth graders. *Acta Psychologica*, *171*, 118-127.
18. Morsanyi, K., **Mammarella, I. C.**, Szűcs, D., Tomasetto, C., Primi, C., & Maloney, E. A. (2016). Editorial: Mathematical and statistics anxiety: Educational, social, developmental and cognitive perspectives. *Frontiers in Psychology: Cognition*, *7*, 1083.
19. Meneghetti, C., Cardillo, R., **Mammarella, I. C.**, Caviola, S., & Borella, E. (2016). The role of practice and strategy in mental rotation training: Transfer and maintenance effects. *Psychological Research*. doi: 10.1007/s00426-016-0749-2
20. Hill, F., **Mammarella, I. C.**, Devine, A., Caviola, S., Passolunghi, M. C. & Szűcs, D. (2016). Maths anxiety in primary and secondary school students: Gender differences, developmental changes and anxiety specificity. *Learning and Individual Differences*, *48*, 45-53.
21. Ghisi, M., Bottesi, G., Re, A. M., Cerea, S., & **Mammarella, I. C.** (2016). Psychological and psychopathological features in Italian university students with dyslexia. *Frontiers in Psychology: Developmental*, *7*, 478.
22. **Mammarella, I. C.**, Ghisi, M., Bomba, M., Bottesi, G., Caviola, S., Broggi, F. & Nacinovich, R., (2016). Anxiety and depression in children with Nonverbal learning disabilities, reading disabilities, or typical development. *Journal of Learning Disabilities*, *49*, 130-139.
23. Passolunghi, M. C., Caviola, S., De Agostini, R., Perin, C., & **Mammarella, I. C.** (2016). Mathematics anxiety, working memory and mathematic performance in secondary school children. *Frontiers in Psychology: Cognition* *7*:42. doi: 10.3389/fpsyg.2016.00042
24. **Mammarella, I. C.**, Hill, F., Devine, A., Caviola, S., & Szűcs, D. (2015). Math anxiety and developmental dyscalculia: A study on working memory processes. *Journal of Clinical and Experimental Neuropsychology*, *37*, 878-887.
25. Basso Garcia, R., **Mammarella, I. C.**, Pancera, A., Galera, C., & Cornoldi, C. (2015). Deficits in visual short-term memory binding in children at risk of nonverbal learning disabilities, *Research in Developmental Disabilities*, *45-46*, 365-372.
26. Pulina, F., Carretti, B., Lanfranchi, & **Mammarella, I. C.** (2015). Improving spatial-simultaneous working memory in Down Syndrome: The effect of a training program led by parents or by an expert. *Frontiers in Psychology: Developmental*, *6*, 1265.
27. Lanfranchi, S., **Mammarella, I. C.** & Carretti, B. (2015). Spatial-simultaneous working memory and selective interference in Down syndrome. *Child Neuropsychology*, *21*, 481-489.
28. Lanfranchi, S., De Mori, L., **Mammarella, I. C.** Carretti, B., & Vianello, R. (2015). Spatial-sequential and spatial-simultaneous working memory in individuals with William Syndrome. *American Journal on Intellectual and Developmental Disabilities*, *120*, 193-202.
29. **Mammarella, I. C.**, Meneghetti, C., Pazzaglia, F., & Cornoldi, C. (2015). Memory and comprehension deficits in spatial descriptions in children with nonverbal and reading disabilities. *Frontiers in Psychology: Developmental*, *5*, 1534.
30. Carretti, B., Lanfranchi, S. De Mori, L., **Mammarella, I. C.**, & Vianello, R. (2015). Exploring spatial working memory performance of individuals with William Syndrome: The effect of presentation format and configuration. *Research in Developmental Disabilities*, *37*, 37-44.
31. Caviola, S., **Mammarella, I. C.**, Cornoldi, C., & Lucangeli, D. (2014). Precursors for solving written subtraction problems in second grade schoolchildren. *Learning and Individual Differences*, *36*, 92-100.
32. Giofrè, D., & **Mammarella, I. C.** (2014). Working memory and intelligence relationship in children: Is the scoring procedure important? *Intelligence*, *46*, 300-310.
33. Pérez, A., **Mammarella, I. C.**, Del Prete, F., Bajo, T., Cornoldi, C. (2014). Capacidad geométrica y memoria visoespacial en población adulta. *Psicologica*, *35*, 225-249.

34. **Mammarella, I. C.**, & Cornoldi, C. (2014). An analysis of the criteria used to diagnose children with Non-verbal learning disabilities (NLD). *Child Neuropsychology*, *20*, 255-280.
35. Giofrè, D., **Mammarella, I. C.**, & Cornoldi, C. (2014). The relationship between geometry, working memory and intelligence in children. *Journal of Experimental Child Psychology*, *123*, 112-128.
36. **Mammarella, I. C.**, Giofrè, D., Caviola, S., Cornoldi, C., & Hamilton, C. (2014). Visuospatial working memory in children with Autism: The effect of semantic global organization. *Research in Developmental Disabilities*, *35*, 1349-1356.
37. Basso Garcia, R., **Mammarella, I. C.**, Tripodi, D., & Cornoldi, C. (2014). Specific visuospatial working memory deficits for locations, colours and binding in children with dyslexia and nonverbal learning disability. *British Journal of Developmental Psychology*, *32*, 17-33.
38. **Mammarella, I. C.**, Bomba, M., Caviola, S., Broggi, F., Neri, F., Lucangeli, D., & Nacinovich, R. (2013). Mathematical difficulties in nonverbal learning disability or co-morbid dyscalculia and dyslexia. *Developmental Neuropsychology*, *38*, 418-432.
39. **Mammarella, I. C.**, Caviola, S., Cornoldi, C., & Lucangeli, D. (2013). Mental additions and verbal-domain interference in children with developmental dyscalculia. *Research in Developmental Disabilities*, *34*, 2845-2855.
40. Giofrè, D., **Mammarella, I. C.**, & Cornoldi, C. (2013). The structure of working memory and its relation to intelligence in children. *Intelligence*, *41*, 396-406.
41. **Mammarella, I. C.**, Borella, E., Pastore, M., & Pazzaglia, F. (2013). The structure of visuospatial memory in adulthood. *Learning and Individual Differences*, *25*, 99-110.
42. **Mammarella, I. C.**, Giofrè, D., Ferrara, R., & Cornoldi, C. (2013). Intuitive Geometry and Visuospatial Working Memory in Children showing symptoms of Non-verbal Learning Disabilities. *Child Neuropsychology*, *19*, 235-249.
43. Giofrè, D., **Mammarella, I. C.**, Ronconi, L., & Cornoldi, C. (2013). Visuospatial working memory involvement in intuitive geometry and in academic achievement in geometry. *Learning and Individual Differences*, *23*, 114-122.
44. Schmidt, S., Tinti, C., Fantino, M., **Mammarella, I. C.**, & Cornoldi, C. (2013). Survey representations in blind people: The role of strategies and mobility skills. *Acta Psychologica*, *142*, 43-50.
45. Carretti, B., Lanfranchi, S., & **Mammarella, I. C.** (2013). Spatial-simultaneous and spatial-sequential working memory in individuals with Down Syndrome: The effect of configuration. *Research in Developmental Disabilities*, *34*, 669-675.
46. Passolunghi, M. C., & **Mammarella, I. C.** (2012). Selective spatial working memory impairment in children with arithmetic learning disabilities. *Journal of Learning Disabilities*, *45*, 342-351.
47. Carretti, B., **Mammarella, I. C.**, & Borella, E. (2012). Age differences in proactive interference in verbal and visuo-spatial working memory. *Journal of Cognitive Psychology*, *24*, 243-255.
48. Caviola, S., **Mammarella, I. C.**, Cornoldi, C., & Lucangeli, D. (2012). Mental addition with and without carrying in children: How is working memory involved? *Journal of Experimental Child Psychology*, *112*, 141-160.
49. Fiore, F., Borella, E., **Mammarella, I. C.**, & De Beni, R. (2012). Age differences in verbal and visuo-spatial working memory updating: Evidence from analysis of serial position curves. *Memory*, *20*, 14-27.
50. Cornoldi, C., Ficili, P., Giofrè, D., **Mammarella, I. C.**, & Mirandola, C. (2011). Imaginative representations of two- and three-dimensional matrices in children with nonverbal learning disabilities. *Imagination, Cognition and Personality*, *31*, 53-62.
51. Meneghetti, C., & **Mammarella, I. C.** (2011). Learning of spatial information from description by children with non-verbal and reading disabilities: Two case studies. *Imagination, Cognition and Personality*, *31*, 29-51.
52. Fiore, F., Borella, E., **Mammarella, I. C.**, & Cornoldi, C. (2011). Mental imagery in a visuospatial working memory task and modulation of activation. *Journal of Cognitive Psychology*, *23*, 52-59.
53. **Mammarella, I. C.**, & Pazzaglia, F. (2010). Visual perception and memory impairments in children at risk for Nonverbal learning disabilities. *Child Neuropsychology*, *16*, 564-576.

54. **Mammarella, I. C.**, Lucangeli, D., & Cornoldi, C. (2010). Spatial working memory and arithmetic deficits in Nonverbal learning difficulties (NLD) children. *Journal of Learning Disabilities*, *43*, 455-468.
55. Passolunghi, M. C., & **Mammarella, I. C.** (2010). Spatial and visual working memory ability in children with difficulties in arithmetic word problem solving. *European Journal of Cognitive Psychology*, *22*, 944-963.
56. Caviola, S., **Mammarella, I. C.**, Cornoldi, C., & Lucangeli, D. (2009). A metacognitive visuospatial working memory training for children. *International Electronic Journal of Elementary Education*, *2*, 122-136.
57. **Mammarella, I. C.**, Coltri, S., Lucangeli, D., & Cornoldi, C. (2009). Impairment of simultaneous-spatial working memory in non-verbal (visuospatial) learning disability: A treatment case study. *Neuropsychological Rehabilitation*. *19*, 761-780.
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2. Cornoldi, C., **Mammarella, I. C.** & Fine, J., (2016). *Nonverbal Learning Disability*. New York: Guilford Press. ISBN 9781462527588

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1. **Mammarella, I. C.**, Giofrè, D., & Caviola, S. (2017). Learning geometry: The development of geometrical concepts and the role of cognitive processes. In Geary, D., Berch, D., Ochsendorf & Mann Koeple, K. (Eds.).

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DISSEMINATION

I am deeply involved in disseminating the results of my research to teachers, parents and practitioners, and in general in the organization of seminars for disseminating psychological knowledge to the large public. In 2018, I've organized together with the regional order of psychologists (Ordine degli Psicologi del Veneto) a cycle of seminars for practitioners regarding the role of the school psychologists. In 2016, together with the AIRIPA society and the National committee of Psychologists (Consiglio Nazionale dell'Ordine degli Psicologi) I've organized a seminar on specific learning disorders and children with special education needs. In 2014 and 2016 I've organized together with the regional order of psychologists (Ordine degli Psicologi del Veneto) two seminars regarding the role of the psychologists in specific learning disorders. In 2013 together with other three colleagues I have founded a start-up of the University of Padova on learning and developmental disabilities (www.labda-spinoff.it) and every year I organize seminars for teachers and parents for disseminating the results of our studies. Finally, I am author of several instruments for the assessment and the intervention for children with learning and developmental difficulties.

Media coverage and periodical/newspaper interviews:

31.01.2019 Interview on developmental disorders. TelePadova 7 Gold

<https://www.7goldteledpadova.tv/7inpunto/eta-evolutiva-e-apprendimenti/>

07.07.2017 Global Team of Experts at Columbia's Department of Psychiatry Define Non-Verbal Learning Disability <http://www.prweb.com/releases/2017/06/prweb14464724.htm>

06.07.2017 Letture liberamente accessibili. Il Bo, il giornale dell'Università degli Studi di Padova <http://www.unipd.it/ilbo/letture-liberamente-accessibili>

09.02.2017 Gioia! Inchieste: La matematica delle ragazze (che poi è la stessa dei ragazzi)" <https://blog.redooc.com/gioia-la-matematica-delle-ragazze-la-stessa-dei-ragazzi/>

25.01.2017 Giunti Scuola Interview "La collaborazione tra scuola e servizi per l'aiuto al bambino con DSA" <http://www.giuntiscuola.it/psicologiaescuola/psicologia/la-collaborazione-tra-scuola-e-servizi-per-l-aiuto-al-bambino-con-dsa-un-intervista-alla-professoressa-mammarella/>

14.11.2016 Radio Interview: radio Cusano sui Disturbi dell'Apprendimento <http://www.radiocusanocampus.it/podcast/?prog=1382>

12.03.2016 Video-Interview: “DSA e BES dalla diagnosi all’intervento: problemi e prospettive normative e organizzative”, organizzato da AIRIPA e CNOP

https://www.youtube.com/watch?v=1thcmQO-J_E&feature=youtu.be

29.02.2016. Interview: Il Sole 24 Ore sulle Società tra Professionisti in ambito psicologico

27.05.2015. Interview Il Mattino di Padova sull’utilizzo del computer nelle scuole

01.12.2015 Il Disturbo dell’apprendimento non verbale: un nuovo disturbo tra i DSA

<http://www.stateofmind.it/2015/12/disturbo-dell-apprendimento-non-verbale/>

Padova, February, 2019