

ANNAMARIA DE SANTIS

Curriculum vitae

CURRENT POSITION

1/10/2023 - present

Fixed-term Researcher, Type B

Academic discipline: EDUCATIONAL RESEARCH (M-PED/04)

University of Modena and Reggio Emilia (Italy)

Department: Surgical, Medical and Dental Department of Morphological Sciences related to Transplant, Oncology and Regenerative Medicine

Research:

- Multivariate and computational data analysis techniques applied to educational processes and systems (Learning Analytics and Educational Data Mining) especially in digital contexts
- Design and assessment of (digital) training paths

Teaching:

Degree in Digital Education

- Techniques for Data Analysis in Education/Learning Analytics
- Instructional Design in digital contexts
- Online, Open and Blended Education

PhD in Learning Sciences and Digital Technologies

- Member of the Teachers' Board

Projects:

- EDUNEXT, Italian network for digital training in higher education, <https://edunext.eu/>
- EDUOPEN, Italian MOOC platform, <https://learn.eduopen.org/>

NATIONAL SCIENTIFIC QUALIFICATION

2 February 2023

Academic Recruitment Field: 11/D2 - METHODOLOGIES OF TEACHING, SPECIAL EDUCATION AND EDUCATIONAL RESEARCH

Level: Associate professor in the Italian higher education system

Expire on the February 2, 2033

EDUCATION

April 2011
- 5 May 2014

PhD in Pedagogy and Science of Education
(XXVI cycle)

École Doctorale Internationale "Culture, Education, Communication"
Department of Humanities
University of Foggia (Italy)

WORK EXPERIENCE	
21 December 2015 - 30 September 2023	Instructional Designer and Educational Content Producer <i>More Service s.r.l.</i> <i>Reggio Emilia (Italy)</i>
1 gennaio 2017 - 31 dicembre 2019	Research Fellow Research title: "Design of training in Open Online Learning within the EduOpen project". Supervisor: prof. Tommaso Minerva <i>Department of Education</i> <i>University of Modena and Reggio Emilia (Italy)</i>
SCIENTIFIC JOURNAL	
2017 - present	Je-LKS, Journal of e-Learning and Knowledge Society, www.je-lks.org - Managing Editor (2024 - present) - Assistant Editor and Reviewer (2017 - present)
SCIENTIFIC ASSOCIATION AND RESEARCH CENTER	
2024 - present	Component and board member of the Research Center PLAICE "Postmedia studies, Learning analytics and Artificial Intelligence Center for Education"
2023 - present	Component of the Steering Committee of ISYDE, Italian SYmposium on Digital Education
2023 - present	Component of the Teachers' Board of PhD in Learning Sciences and Digital Technologies
2022 - present	SoLAR Member Society for Learning Analytics Research
2015 - present	Sie-L Member Società italiana di e-Learning
MAIN PUBLICATION	
IN PRESS	Genetic Algorithms and Evolutionary Computation in Education Minerva, T., & De Santis, A. (in press). Genetic Algorithms and Evolutionary Computation in Education. Milano: Pearson.
2026	An Overview of Genetic Algorithms in Educational Research from 2020 to 2024 De Santis, A. , & Minerva, T. (2026). An Overview of Genetic Algorithms in Educational Research from 2020 to 2024. In F. Marcelloni, K., Madani, N., van Stein & J., Filipe (Eds.), Computational Intelligence. IJCCI 2025. Communications in Computer and Information Science, vol 2828 (pp. 428-441). Cham: Springer Nature Switzerland. Link: https://doi.org/10.1007/978-3-032-15635-8_26
2025	Remediating prebunking in practice: Enhancing teachers' competencies for digital source evaluation and disinformation detection Bruno, N., De Santis, A. , & Moriggi, S. (2025). Remediating prebunking in practice: Enhancing teachers' competencies for digital source evaluation and disinformation detection. <i>Media Education</i> , 16(2), 5-18. Link: https://doi.org/10.36253/me-18373
2025	Proceedings of the Italian Symposium on Digital Education, ISYDE2024 De Santis, A., Caldirola, E., & Carretta, P. (Eds.) (2025). Proceedings of the Italian Symposium on Digital Education, ISYDE2024. Pearson. Link: https://it.pearson.com/docenti/universita/partnership/isyde.html

2025	<p>Multivariate Analysis Methods to Distinguish Adolescents' Attitudes on Digital Consumption and Skills, Opinions on Technologies, and Adults' Views</p> <p>Rossi, L., De Santis, A., Orsenigo, E., Pellizzari, C., Valentini, M., & Minerva, T. (2025). Multivariate Analysis Methods to Distinguish Adolescents' Attitudes on Digital Consumption and Skills, Opinions on Technologies, and Adults' Views. <i>Journal of Educational, Cultural and Psychological Studies</i>, 23-49. Link: https://doi.org/10.7358/ecps-2025-031-ross</p>
2025	<p>Teachers competencies in evaluating digital sources and tackling disinformation: implications for media literacy education</p> <p>Bruno, N., De Santis, A., & Moriggi, S. (2025). Teachers competencies in evaluating digital sources and tackling disinformation: implications for media literacy education. <i>Journal of E-Learning and Knowledge Society</i>, 21(1), 85-99. Link: https://doi.org/10.20368/1971-8829/1136182</p>
2024	<p>Integration of Educational Clusters with Open Badges and Blended Intensive Program (ECOB): a comprehensive approach to future university education</p> <p>Minerva, T., De Santis, A., Sannicandro, K., Bellini, C. (2024). Integration of Educational Clusters with Open Badges and Blended Intensive Program (ECOB): a comprehensive approach to future university education. <i>Journal of E-Learning and Knowledge Society</i>, 20(3), 112-125. Link: https://doi.org/10.20368/1971-8829/1136068</p>
2024	<p>Proceedings of the Italian Symposium on Digital Education, ISYDE2023</p> <p>Minerva, T., & De Santis, A. (Eds.) (2024). <i>Proceedings of the Italian Symposium on Digital Education, ISYDE2023</i>. Milano: Pearson. Link: https://it.pearson.com/docenti/universita/partnership/isyde.html</p>
2024	<p>Trends in the use of Multivariate Analysis in Educational Research: a review of methods and applications in 2018-2022</p> <p>De Santis, A., Sannicandro, K., Bellini, C., & Minerva, T. (2024). Trends in the use of Multivariate Analysis in Educational Research: a review of methods and applications in 2018-2022. <i>Journal of E-Learning and Knowledge Society</i>, 20(1), 47-55. Link: https://doi.org/10.20368/1971-8829/1135946</p>
2024	<p>Students in Italian online universities: enrollments time series analysis from 2005 to 2021</p> <p>Minerva, T., De Santis, A., Bellini, C., & Sannicandro, K. (2023). Students in Italian online universities: enrollments time series analysis from 2005 to 2021. <i>Journal of e-Learning and Knowledge Society</i>, 19(4), 50-75. Link: https://dx.doi.org/10.20368/1971-8829/1135872</p>
2023	<p>Analysis of MOOC features in a regional platform: design and delivery of courses</p> <p>De Santis, A., Sannicandro, K., Bellini, C., & Minerva, M. (2023). Analysis of MOOC features in a regional platform: design and delivery of courses. In G. Fulantelli, D. Burgos, G. Casalino, M. Cimitile, G. Lo Bosco, D. Taibi (Eds.), <i>HELMeTO 2022, CCIS 1779, Higher Education Learning Methodologies and Technologies Online. 4th International Conference, HELMeTO 2022, Palermo, Italy, September 21-23, 2022, Revised Selected Papers</i>. Series Title: Communications in Computer and Information Science, Springer. ISBN: 978-3-031-29799-1 Link: https://link.springer.com/book/9783031298011</p>
2023	<p>Generational relations, technology and digital communication: a comparison between multicultural and indigenous families</p> <p>Rossi, L., De Santis, A., Valentini, M., & Minerva, T. (2023). Generational relations, technology and digital communication: a comparison between multicultural and indigenous families. <i>AIFREF Congress "Inclusion in the Cities of Education Challenges, Cultures and Resources", June 30 - July 2, '22</i>.</p>
2022	<p>A time series analysis of students enrolled in Italian universities from 2000 to 2021</p> <p>Minerva, T., De Santis, A., Bellini, C., & Sannicandro, K. (2022). A time series analysis of students enrolled in Italian universities from 2000 to 2021 [Invited Paper]. <i>Italian Journal of Educational Research</i>, 29, 9-22. ISSN 2038-9744 Link: https://ojs.pensamultimedia.it/index.php/sird/article/view/6091</p>

2022	<p>A scoping review on the relationship between robotics in educational contexts and e-health</p> <p>Sannicandro, K., De Santis, A., Bellini, C., & Minerva, T. (2022). A scoping review on the relationship between robotics in educational contexts and e-health. <i>Frontiers in Education</i>, 7. ISSN: 2504-284X Link: https://www.frontiersin.org/articles/10.3389/feduc.2022.955572</p>
2022	<p>Analisi Multivariata e Learning Analytics. Metodi e applicazioni</p> <p>De Santis, A. (2022). <i>Analisi Multivariata e Learning Analytics. Metodi e applicazioni</i>. Pearson. ISBN: 9788891932419 Link: https://it.pearson.com/docenti/universita/pearson-statistica.html</p>
2021	<p>Students' academic achievements: clusters based on metacognition, literacy and numeracy skills</p> <p>De Santis, A., Sannicandro, K., Bellini, C., Cadamuro, A., & Minerva, T. (2021). Students' academic achievements: clusters based on metacognition, literacy and numeracy skills. <i>Giornale italiano di educazione alla salute, sport e didattica inclusiva</i>, 5(2), 89-101. ISSN: 2532-3296 Link: https://ojs.gsdjournal.it/index.php/gsdj/article/view/378</p>
2021	<p>Cluster analysis for tailored tutoring system</p> <p>De Santis, A., Sannicandro, K., Bellini, C., & Minerva, T. (2021). Cluster analysis for tailored tutoring system. <i>Q-TIMES WEBMAGAZINE</i>, XIII(3), 265-277. ISSN: 2038-3282 Link: https://www.qtimes.it/?p=cluster-analysis-for-tailored-tutoring-system</p>
2021	<p>An open source framework for distance learning and distance multimedia production</p> <p>Minerva, T., Jana M., De Santis, A., Sannicandro, K., & Bellini, C. (2021). An open source framework for distance learning and distance multimedia production. <i>EDULEARN21 Proceedings</i>, 10877-10885. ISBN: 978-84-09-31267-2 / ISSN: 2340-1117</p>
2021	<p>The training of Digital Education professionals</p> <p>De Santis, A., Sannicandro, K., Bellini, C., & Minerva, T. (2021). The training of Digital Education professionals. <i>Lifelong, Lifewide Learning (LLL)</i>, 17(38), 324-338. ISSN 2279-9001 Link: http://www.edaforum.it/ojs/index.php/LLL/article/view/609</p>
2020	<p>Students' perception on e-proctoring system for online assessment</p> <p>De Santis, A., Bellini, C., Sannicandro, K., & Minerva, T. (2020). <i>Students' perception on e-proctoring system for online assessment</i>. Enhancing the Human Experience of Learning with Technology: New challenges for research into digital, open, distance & networked education European Distance and E-Learning Network (EDEN) Proceedings 2020 Research Workshop Lisbon, 21-23 October, 2020. ISSN 2707-2819 Link: https://www.eden-online.org/proc-2485/index.php/PROC/article/view/1770</p>
2019	<p>Predictive model selection for completion rate in Massive Open Online Courses</p> <p>De Santis, A., Sannicandro, K., Bellini, C., & Minerva, T. (2019). Predictive Model Selection for Completion Rate in Massive Open Online Courses. <i>Je-LKS, Journal of e-Learning and Knowledge Society</i>, 15(3), 145-159. ISSN 1826-6223 Link: https://www.je-lks.org/ojs/index.php/Je-LKS_EN/article/view/1135034</p>
2019	<p>La misurazione delle competenze trasversali in un progetto di innovazione della didattica universitaria</p> <p>Cecconi, L., De Santis, A., & Bellini, C. (2019). La misurazione delle competenze trasversali in un progetto di innovazione della didattica universitaria. <i>Italian Journal of Educational Research</i>, 12(22), 113-38. ISSN 2038-9744 (online) Link: https://ojs.pensamultimedia.it/index.php/sird/article/view/3395</p>
2019	<p>Reasons for Attending a MOOC: A Survey on EduOpen Learners</p> <p>De Santis, A., Sannicandro, K., Bellini, C., & Minerva, T. (2019). <i>Reasons for Attending a MOOC: A Survey on EduOpen Learners</i>. In A. Volungeviciene, & A. Szűcs (Eds.), <i>Connecting through Educational Technology Proceedings of the European Distance and E-Learning Network 2019 Annual Conference Bruges, 16-19 June, 2019</i> (pp. 356-364). Ungheria: European Distance and E-Learning Network: Ungheria. ISBN 978-615-5511-27-1 Link: https://www.eden-online.org/proc-2485/index.php/PROC/article/view/1732</p>

2018	<p>Gli Open Learners di EduOpen: numeri e prospettive De Santis, A., Sannicandro, K., Fazlagic, B., Bellini, C., Tedeschi, C., & Minerva, T. (2018). <i>Gli Open Learners di EduOpen: numeri e prospettive</i>. In A. Volungeviciene, & A. Szűcs (Eds.) Exploring the Micro, Meso e Macro. Navigating between dimensions in the digital learning landscape. EDEN 2018 Annual Conference, Genoa, Italy 17-20 June 2018 (pp. 887-94). Budapest: European Distance and E-Learning Network. ISBN 978-615-5511-23-3</p>
2018	<p>I MOOC per l'alta Formazione: i Master su EduOpen attivati dall'Università di Modena e Reggio Emilia De Santis, A., Sannicandro, K., Fazlagic, B., Bellini, C., Tedeschi, C., & Minerva, T. (2018). <i>I MOOC per l'alta Formazione: i Master su EduOpen attivati dall'Università di Modena e Reggio Emilia</i>. In A. Volungeviciene, & A. Szűcs (Eds.) Exploring the Micro, Meso e Macro. Navigating between dimensions in the digital learning landscape. EDEN 2018 Annual Conference, Genoa, Italy 17-20 June 2018 (pp. 673-80). Budapest: European Distance and E-Learning Network. ISBN 978-615-5511-23-3</p>
2017	<p>Dalle linee guida di progettazione alla checklist di validazione: i Mooc di EduOpen De Santis, A., Fazlagic, B., Sannicandro, K., Folloni, V., Tedeschi, C., & Minerva, T. (2017). Dalle linee guida di progettazione alla checklist di validazione: i Mooc di EduOpen. In M. Rui (Ed.), <i>Design the future, Extended abstracts della multiconferenza EMEMITALIA2016, Modena, 7-9 settembre 2016</i> (pp. 264-75). Genova: Genova University Press. ISBN: 978-88-97752-89-9 Link: https://ememitalia.org/archivio/2016/atti-ememitalia-2016</p>
2016	<p>La progettazione didattica e i sistemi digitali nell'attuale contesto comunicativo De Santis, A. (2016). La progettazione didattica e i sistemi digitali nell'attuale contesto comunicativo. In R. Pace, G.R. Mangione, & P. Limone (a cura di), <i>Dimensione didattica, tecnologica e organizzativa. La costruzione del processo di innovazione a scuola</i> (pp. 17-27). Milano: FrancoAngeli. ISBN 978-88-917-3412-9</p>
2016	<p>Linee guida per la progettazione di corsi Mooc: l'esperienza dell'ateneo foggiano Limone, P., Pace, R., & De Santis, A. (2016). Linee guida per la progettazione di corsi Mooc: l'esperienza dell'ateneo foggiano. In M. Rui, L. Messina, & T. Minerva (a cura di), <i>Teach Different! Proceedings della Multiconferenza EMEMITALIA2015</i> (pp. 507-510). Genova: Genova University Press. ISBN: 978-88-97752-60-8 Link: https://ememitalia.org/archivio/2015/atti-ememitalia2015</p>
2012	<p>Orientamento universitario ed eLearning: il progetto E-start delle Facoltà di Agraria e Scienze della Formazione dell'Università degli Studi di Foggia De Santis, A. (2012). Orientamento universitario ed eLearning: il progetto E-start delle Facoltà di Agraria e Scienze della Formazione dell'Università degli Studi di Foggia. <i>MeTis - Mondi educativi. Temi indagini suggestioni, 1</i>. ISSN 2240-9580</p>
2007	<p>Il punto di vista degli studenti De Santis, A. (2007). Il punto di vista degli studenti. In A. Lotti (a cura di), <i>Apprendere per problemi. Una sperimentazione didattica nelle facoltà umanistiche</i> (pp. 201-228). Bari: Progedit. ISBN 978-88-6194-005-5</p>
	<p>20/5/2026 Annamaria De Santis</p>