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Date of Birth: June, 5th, 1970



Current Positions

- *2017-present.* **Founding director of the Research Institute for Innovation & Technology in Education (UNIR ITED)** at Universidad Internacional de La Rioja (UNIR) (www.unir.net), focused on eLearning, Open Education and Learning Analytics, with 22 members, +45 research projects, 5 institutional chairs (IBM, Telefónica, UNESCO, ICDE, Aenor) and achievement of 17 Million Euro funding. UNIR is an online Higher Education institution with 40.000 students in +100 countries, and premises in Spain, Latin America and USA
- *2019-present.* **Vice-rector for International Research** (<http://research.unir.net>) at UNIR. This vice-rectorate deals with the strategic vision for practical implementation of research, development and innovation projects, including project management and dissemination strategy. It also develops the strategy for international research, worldwide
- *2009-present.* **Full Professor in Technologies for Education & Communication.** Full-time permanent position at UNIR
- *2013-present.* **UNESCO Chair on eLearning** (<http://research.unir.net/unesco>)
- *2021-2022.* ICDE Ambassador for Open Educational Resources to the [OER Advocacy Committee](#)

Research

- *2004-present.* Research activity mainly **focused on Open Science, Learning Analytics and ICT applied to Education.** Development of a number of projects **focused on Artificial Intelligence in Education, Learning Management Systems, disaffected youth in big cities, university drop-out, competence development and local training in rural areas, self-entrepreneurship, access to quality education, open science and open resources, accessibility and inclusion**
 - o **Contribution to +60 European research projects:** [Comanity](#), [KeyStone](#), [Edu-Hack](#), [OpenMed](#), [Virtual Tours](#), [Social Seducement](#), [Inspiring Science Education](#), [Open Educators Factory](#), [Espaq](#), [Qareer](#), [Social4ALL](#), Intuitel, [eMundus](#), [University Social Responsibility](#), Stellar, Gala, [Go-MyLife](#), Grapple, Unfold, ProLearn, [EU4ALL](#), Kaleidoscope, Come-In, etc. From researcher to coordinator. **Every project provides a practical implementation and impact into the Society** (see annex)
 - o **Publication of +170 research papers, and +140 keynote speeches** in: China, Canada, France, Germany, Latam, Russia, South-Africa, Tanzania, Tunisia, USA, etc.

Research appointments

- 2020-2024. Adjunct Professor of **Computer Science & AI** at [National University of Colombia](#). Member of the Research Group [GIDIA](#), on Artificial Intelligence
- 2020-2023. Extraordinary Professor to [North-West University](#), Potchefstroom Campus, in the [Research Unit of of Self-Directed Learning](#), Faculty of Education, South Africa
- *2019-present.* Full professor of **Learning & Teaching** at [An-Najah National University](#), Nablus, Palestine
- *2019-2020.* Visiting Professor of **Digital Transformation** to the [National University of Colombia](#)
- *2018-2023.* Visiting Professor to [Coventry University \(UK\)](#), [Global Learning: Education and Attainment \(GLEA\)](#) with a special focus on attainment, integration and inter-culturality
- *2017-2019.* Visiting Professor to [University of the Army \(ESPE\)](#), Ecuador, **on Project Management**
- *2015-2018.* Senior Consultant to the [King Abdulaziz University](#), Saudi Arabia, as part of their **Saudi Vision 2030 in Society Transformation**

Academic positions

- 2014-2021. **ICDE Chair in Open Educational Resources** (International Council for Open and Distance Education: <http://www.icde.org>)
- 2009-2013. **ATOS Origin-UNIR Chair in Technological Innovation**
- 2004-2009. **Assistant professor at the Open University of The Netherlands**, research on Technology-enhanced Learning and eLearning standards (First Unit of Learning in IMS Learning Design; development of IMS Content Packaging 1.2; first European **competence framework for online settings** –TENCompetence-)

Academic Management & Entrepreneurship

- 2016-2019. **Vice-rector for Knowledge Transfer & Technology** (<http://transfer.unir.net>) at UNIR. With a special focus on international project development, outputs and outcomes, and how to exploit them into the market and the society
- 2011-2016. **Founding Vice-rector for Research & Technology** at UNIR. Handled **over 320 researchers distributed in 20 research groups**, which cover a large range of academic fields: Education, Law, Engineering, Usability, Accessibility, Neuro-psychology, Social behaviour, Social care and eLearning. Rise of 5 Million Euro funding
- 2009-2021. **Director of the Master of Science on eLearning & Social Networks** at UNIR, which counts 20 promotions and +1.200 students in 12 years, being the oldest and more sustainable master degree on the matter, in Spain and Latam. **Scientific Director from 2019-present**
- 2009-2014. **Founding Dean of the School of Engineering** (<http://esit.unir.net>) at UNIR, which ended with a 3 Million Euro turnover, 10 academic degrees (Bachelor and Master level), 100 professors and +3.000 students, in 72 countries
- 2007-2011. **Director of Education Sector and Head of Labs (Educational Technology, e-Inclusion and Social Networks), in the Research & Innovation Department of Atos** (<http://www.atos.net>), Spain. Design and implementation of these Labs, in a unit of 12 people; development of 27 international research projects. Rise of 70 Million Euro in public research funding
- 1996-2004. **Founder and Dean of the first online School of Multimedia Training and Communication (ESAC)**, which worked with over 200 professors and teachers, and graduated 6.000 students in 100 countries, out of postgraduate courses and academic degrees, in Spain and Latam

Teaching

- 2004-present. University lectures on **eLearning, personalised learning, open education, learning analytics, standards, project management, digital transformation and other topics**:
 - o At UNIR, **Spain & Latam**, in the PhD programme in Computing Science, the PhD programme in Knowledge Society, the postgraduate course in Knowledge Science, the MSc in Project Development, the MSc on eLearning & Social Networks
 - o At University of the Army (ESPE), **Ecuador**, postgraduate on Research Competences
 - o At **Salamanca** University, Spain, PhD programme on Education in the Knowledge Society
 - o At King Abdulaziz University (KAU), **Saudi Arabia**, postgraduate in Learning Analytics for online assessment
 - o At Beijing Normal University (BNU), **China**, teachers' training programme on Learning Analytics for Improvement in Teaching
 - o In addition, **lectures and workshops about Open Science, Learning Analytics, intercultural learning, and ICT & Education competences for university faculty members in +50 countries** (Coventry in UK, Caddi Ayad Univ in Marrakech, Tecnológico de Buenos Aires in Argentina, MESI in Russia, ODLAA in Australia, United Nations-CS in Macau, ABED in Brazil, OpenMed project MOOC, An-Najah Univ in Palestine, Univ of Bahrain, Edu-Hack project MOOC, Virtual Tours project MOOC, Telefónica MOOC, etc.)
- 1990-2004. **Corporate training** for IBM, Telefónica, Marketing agencies (Publicis, Ogilvy, Bassat), **Government Institutions** in Spain (Court, Congress, Parliament, Presidency, Health, etc.),

Business Schools (IEDE, CESMA), and **universities** in Spain (Complutense, Barcelona, Cádiz), El Salvador (Nacional), Colombia (Distrital), Venezuela (Conac), Chile (Valparaíso, Católica). **Focused on trainers' training, project management, distance education and multimedia-ICT education**

Community and Network

- **Series editor in chief:** Tlili, A., Burgos, D. & Chan, M. (Eds.) Future Education and Learning Spaces. ICT & Education in Uncertain Times (ISSN: 2731-0140). Switzerland: Springer Nature (2021-)
- **Associate Editor** in Frontiers in Artificial Intelligence - AI for Human Learning and Behavior Change (2021-)
- **IEEE Senior Member** (2019-)
- Member of the Advisory Board at the [Big Data Center for Technology-mediated Education](#), at **Beijing Normal University** (since 2016)
- **Chair** (2016, 2018) and Deputy chair (2015, 2017) (as a special advisor to the Director General) of the international jury for the **UNESCO King Hamad Bin Isa Al Khalifa Prize** for the Use of ICTs in Education
- **Consultant** to UNECE (The **United Nations** Economic Commission for Europe) about Education for Sustainable Development (ESD) (2019-)
- **External consultant, evaluator and reviewer for the European Commission and the Russian Academy of Sciences** (ERA-NET, H2020-Reflective, H2020-Creativity, FP7-Research4SME)
- Consultant to foreign **Research and Education ministries** (Russia, Cyprus, Greece, Bosnia, Saudi Arabia, UK, Jordan, Italy, etc.), about eLearning (e.g. to transform face-to-face universities into online and blended institutions).
- **Member of various Editorial Boards** (Simulation & Gaming, International Journal of Technology-enhanced Learning, IEEE Rita, Sustainability); and **professional associations** (Int. Council for Open and Distance Education, Institute of International Education, New Media Consortium, etc.)
- **Co-organisation of over 25 international congresses**, specially: European Conference on Technology-Enhanced Learning (EC-TEL) (2007, 2010, 2011), IEEE International Conference on Advanced Learning Technologies (ICALT) (2006), UNESCO-UNIR ICT & Education Latam Congress (2016), UNIR iTED Congress: eLearning and Open Education in practice (2017), Intern. Workshop on Higher Education Learning Methodologies and ICT Online (HELMeTO, 2019, 2020, 2021), International Conference on Pedagogical Innovation (CIIP) (2022)

Academic background

- **2021. Open Science & STEAM Competences** (PhD, University of Reading, UK)
- **2020. Management** (PhD, Central University of Nicaragua)
- **2020. Theology** (PhD, Theological Institute at University of Murcia –Spain- & Pontificia Università Antonianum -Italy-)
- **2019. Professional Certificate Postgraduate Programme in Machine Learning and Artificial Intelligence** at the Massachusetts Institute of Technology (MIT, MA, USA).
- **2017, 2004. Business Administration** (DBA-PhD, SMC University, Switz.; BA University of Lincoln, UK)
- **2016. Anthropology** (PhD, University of Westminster, UK)
- **2013. Education** (PhD, University of Barcelona, Spain)
- **2008. Computer Science** (Dr. Ing. PhD, Carlos III University of Madrid, Spain)
- **2006. Communication Science** (PhD, European University, Spain)
- **2002. New Technologies for Information and Communication** (MSc, Open University, Spain)
- **2001. Information Systems** (BSc, New York University, USA)

Selected publications (see annex for full list)

- Burgos, D. (Ed.) (2020). *Radical Solutions and Learning Analytics: Personalised Learning and Teaching Through Big Data*. Lecture Notes in Educational Technology. Singapore: Springer. DOI: <https://doi.org/10.1007/978-981-15-4526-9>
- Burgos, D., & Corbí, A. (2018). Transgenic learning for STEAM subjects and virtual containers for OER. *Distance Education*, 39:1, 4-18. (Q1, SSCI). DOI: <https://doi.org/10.1080/01587919.2018.1429894>

Selected projects (see annex for full list)

- **Medici** (Mapping the Evolving Digital Inclusion landscape to support Cohesion and Integration). DG Communications Networks, Content and Technology. Ref: Ares (2018)2357655. [2018-2021] Main researcher & project coordinator. Funding: 900.000 Euros (Coordinator and PI)
- **OpenGame** (Promoting Open Education Through Gamification). Erasmus+ KA203: Strategic Partnerships for higher education. Project reference: 2019-1-ES01-KA203-065815. [2019-2022] Main researcher & project coordinator. Funding: 200.000 Euros (Coordinator and PI)

ANNEX

Publications (selection; by reverse date)

Books and special issues, as editor

1. Burgos, D., & Affouneh, S. (2021). Breakthrough and Innovative Case Studies in Formal Education in Palestine: Summary, Challenges, and Future Insights. In *Education in the Knowledge Society* 22, e27332. DOI: <https://doi.org/10.14201/eks.27332>
2. Burgos, D., Oviedo, L., Griffiths, D., and Vestrucci, A. (2021). Special Issue on Artificial Intelligence, Spirituality and Analogue Thinking. *The International Journal of Interactive Multimedia and Artificial Intelligence*, 7(1). Retrieved September, the 1st, 2021, from <https://www.ijimai.org/journal/node/6495>
3. Burgos, D. & Olivier, J. (Eds.) (2021). *Radical Solutions for Education in Africa. Open Education and Self-directed Learning in the Continent*. Lecture Notes in Educational Technology. Singapore: Springer. DOI: <https://doi.org/10.1007/978-981-16-4099-5>
4. Burgos, D. & Branch, J.W. (Eds.) (2021). *Radical Solutions for Digital Transformation in Latin American Universities. Artificial Intelligence and Technology 4.0 in Higher Education*. Lecture Notes in Educational Technology. Singapore: Springer. DOI: <https://doi.org/10.1007/978-981-16-3941-8>
5. Tlili, A. & Burgos, D. (2021). Special Issue "Smart Educational Games and Gamification Systems in Online Learning Environments". *Sustainability*. (ISSN 2071-1050). From https://www.mdpi.com/journal/sustainability/special_issues/Smart_Educational_Games_Gamification_Systems_Online_Learning_Environments
6. Burgos, D. & Berrada, K. (2021). Special Issue "Technology-Enhanced Learning, Open Science and Global Education". *Sustainability*. (ISSN 2071-1050). From https://www.mdpi.com/journal/sustainability/special_issues/Technology_Enhanced_Learning_Open_Science_Global_Education
7. Wimpenny, K. & Burgos, D. (2021). Special Issue "Online Global Citizenship, Open Education and Civic Collaboration". *Sustainability*. (ISSN 2071-1050). From https://www.mdpi.com/journal/sustainability/special_issues/Online_Global_Citizenship_Open_Education_Civic_Collaboration
8. Christian, C.M., Burgos, D., Mason, J., Sgouropoulou, C. & Gon Shon, J. (2021). Special Issue "Advanced Research and Innovation on Technology-Enhanced and Online Learning: Sustainable Education and Learning for All". *Sustainability*. (ISSN 2071-1050). From https://www.mdpi.com/journal/sustainability/special_issues/all_education
9. Christian, C.M., Burgos, D., Mason, J., Sgouropoulou, C. & Gon Shon, J. (2021). Special Issue "Advanced Research and Innovation on Technology-Enhanced and Online Learning: Sustainable Education and Learning for All". *Education Science*. (ISSN 2227-7102). From https://www.mdpi.com/journal/education/special_issues/education_enhanced
10. Agrati, L. S., Burgos, D., Ducange, P., Limone, P., Perla, L., Picerno, P., Raviolo, P. & Stracke, C. M. (2020). *Bridges and Mediation in Higher Distance Education: HELMeTO 2020*. Second International Workshop on Higher Education Learning Methodologies and Technologies Online (pp. 1-7). Springer. DOI: <https://doi.org/10.1007/978-3-030-67435-9>
11. Burgos, D., Tlili, A., & Tabacco, A. (Eds.) (2021). *Radical Solutions for Education in a Crisis Context*. Lecture Notes in Educational Technology. Singapore: Springer. DOI: <https://doi.org/10.1007/978-981-15-7869-4>

12. Burgos, D. (Ed.) (2020). Radical Solutions and eLearning. Practical Innovations and Online Educational Technology. Lecture Notes in Educational Technology. Singapore: Springer. DOI: <https://doi.org/10.1007/978-981-15-4952-6>
13. Burgos, D. (Ed.) (2020). Radical Solutions and Open Science. An Open Approach to Boost Higher Education. Lecture Notes in Educational Technology. Singapore: Springer. DOI: <https://doi.org/10.1007/978-981-15-4276-3>
14. Burgos, D. (Ed.) (2020). Radical Solutions and Learning Analytics: Personalised Learning and Teaching Through Big Data. Lecture Notes in Educational Technology. Singapore: Springer. DOI: <https://doi.org/10.1007/978-981-15-4526-9>
15. Remond, E., Dumas, P., & Burgos, D. (Eds.) (2020) Special issue sur Entre distance et présence: la formation à l'heure de l'hybridation. Distance et Médiations des Savoirs. DOI: <https://doi.org/10.4000/dms.4958>
16. Burgos, D., Cimitile, M., Ducange, P., Pecori, R., Picerno, P., Raviolo, P., Stracke, C.M. (Eds.) (2019) International Workshop on Higher Education Learning Methodologies and Technologies Online. Springer, Cham. Available at: <https://www.springer.com/gp/book/9783030312831> and DOI: <https://doi.org/10.1007/978-3-030-31284-8>
17. Zhang, J., Burgos, D., & Dawson, S. (Eds.) (2019) Special Issue on Learning Analytics: Its Scope and Potential in Open, Flexible and Distance Learning. Distance Education. Available at: <https://www.tandfonline.com/toc/cdie20/current>
18. González-Crespo, R. & Burgos, D. (Eds.) (2019) Special issue on Advanced Sensors Technology in Education. Sensors. (ISSN 1424-8220). From https://www.mdpi.com/journal/sensors/special_issues/SATEL
19. Burgos, D. (Ed.) (2018). A compilation about MOOCs for policy-makers in developing countries in 4 languages. UNIR iTED: La Rioja, Spain. From <https://rd.unir.net/a-compilation-about-moocs/>
20. Burgos, D., Nikolov, R. & Stracke, C. (Eds.) (2018) Special Issue on Big Data and Open Education, International Journal of Interactive Multimedia and Artificial Intelligence vol. 5 (3)
21. González-Crespo, R. & Burgos, D. (Eds.) (2017) Special issue on alternative reality and analytics for learning: UNESCO-UNIR LATAM 2016. Journal of Engineering and Education. 13 (21). DOI: <https://doi.org/10.16925/in.v13i21.2092>
22. Burgos, D. (Ed.) (2017) Open Education Policy. UNIR: Logroño, La Rioja (Spain). Open Access from <http://bit.ly/unir-openpolicy> (English) and <http://bit.ly/unir-educacionabierta> (español)
23. Burgos, D., González-Crespo, R. & Khoroshilov, A. (Eds.) (2016) Integration of formal and informal contexts, for a better learning and a better teaching. UNESCO-UNIR ICT & Education Latam Congress 2016. Proceedings book. Logroño (La Rioja), Spain: UNIR Research. Universidad Internacional de La Rioja (UNIR).
24. Burgos, D., González, R. & Nascimbeni, F. (Eds.) (2014). Special issue University & the Cloud. Campus virtuales, 3(1)
25. De-la-Fuente-Valentín, L., Mazza, R., & Burgos, D. (Eds.) (2014) Special Issue on Multi-sensor User Tracking and Analytics to Improve Education and other Application Fields, vol. 2 (7). Accessed July 12th, 2018 from <http://www.ijimai.org/journal/node/678>
26. Vignollet, L., Martel, C. & Burgos, D. (Eds.) (2008). Special issue Comparing Educational Modelling Languages on the "Planet Game" Case Study. Journal of Interactive Media in Education, 2008(2)
27. Burgos, D., Fernández Manjon, B., & Richards, G. (Eds.) (2008). Special issue on Electronic games and personalised elearning processes. Computers in Human Behavior, 24(6)
28. Burgos, D., Fernández Manjon, B., & Richards, G. (Eds.) (2008) Special issue on eGames and Adaptive eLearning. A practical approach. Simulation & Gaming, 39(3)
29. Burgos, D. (Ed.) (2007). Special Issue on Adaptation and IMS Learning Design. Journal of Interactive Media in Education, 2007(1)
30. Burgos, D., Griffiths, D. (Eds.) (2005) The UNFOLD Project. Understanding and using Learning Design. Heerlen: Open University of The Netherlands. From <http://hdl.handle.net/1820/548>
31. Koper, R., Spoelstra, H., Burgos, D. (Eds.) (2005) Learning Networks using Learning Design. A first collection of papers. Heerlen: Open University of The Netherlands. From <http://hdl.handle.net/1820/291>

Books, as author

1. Huang, R.H., Liu, D.J., Tlili, A., Yang, J.F., Wang, H.H., Jemni, M., & Burgos, D. (2020). Handbook on Facilitating Flexible Learning During Educational Disruption: The Chinese Experience in Maintaining Undisrupted Learning in COVID-19 Outbreak. Beijing: Smart Learning Institute of Beijing Normal University. Retrieved August, the 12th, 2021 from <http://www.alecso.org/nsite/images/pdf/1-4-2.pdf>

2. Huang, R., Liu, D., Tlili, A., Lazor, M., Amelina, N., Varoglu, Z., Chang, T. W., Zhang, X., Jemni, M., Burgos, D., Othman, A., & Altinay, F. (2020). Guidance on Providing Open and Distance Learning for Students with Disabilities during School Closures: Enhancing Inclusive Learning under COVID-19. Beijing: Smart Learning Institute of Beijing Normal University. Retrieved August, the 19th, 2020 from http://sli.bnu.edu.cn/uploads/soft/200902/2_1916206341.pdf
3. Huang, R., Liu, D., Tlili, A., Knyazeva, S., Chang, T. W., Zhang, X., Burgos, D., Jemni, M., Zhang, M., Zhuang, R., & Holotescu, C. (2020). Guidance on Open Educational Practices during School Closures: Utilizing OER under COVID-19 Pandemic in line with UNESCO OER Recommendation. Beijing: Smart Learning Institute of Beijing Normal University. Retrieved May, the 18th, 2020 from <https://iite.unesco.org/news/iite-inruled-new-guidance-on-open-educational-practices-during-covid-19/>
4. Zheng, Q., Chen, L., & Burgos, D. (2017). The Development of MOOCs in China. Shanghai: Springer. DOI: <https://doi.org/10.1007/978-981-10-6586-6>
5. Inamorato dos Santos, A. Nascimbeni, F. Bacsich, P. Atenas, J. Aceto, S., Burgos, D., Punie, Y. (2017) Case Studies on Policy Approaches to Open Education. JRC Science for Policy Report, EUR 27938 EN; DOI: <https://doi.org/10.2791/293408>.
6. García-Moya, L., Pascual-Espada, J., González-Crespo, R. & Burgos, D. (2016). Aproximación y propuesta de una metodología de para la adaptación de aplicaciones web en aplicaciones web accesibles. UNIR: Logroño, La Rioja (Spain). ISBN: 978-84-16602-24-7
7. Koper, R., Tattersall, C., Burgos, D. (2005) Current State on IMS Learning Design. Proceedings of the UNFOLD/Prolearn joint workshop, Valkenburg, September 22nd-23rd, 2005. Heerlen: Open University of The Netherlands. From <http://hdl.handle.net/1820/474>
8. Burgos, D. (2001) La capacidad de teletrabajar (Distance working skills). Madrid: Fundación ONCE
9. Burgos, D. & De-León, L. (2001) Comercio Electrónico, Publicidad y Marketing en Internet (Ecommerce, advertising and maketing in Internet). Madrid: McGraw-Hill
10. Burgos, D. & De-León, L. (2001) Director 8.x. Manual de Iniciación y Referencia (Director 8.x. Reference Handbook). Madrid: McGraw-Hill
11. Burgos, D. (2000) 3D Studio Max 3 Práctico. Guía de Aprendizaje (3D Studio Max 3 Practice. Learning Guide). Madrid: McGraw-Hill
12. Burgos, D. & De-León, L. (2000) Director 7.x/Lingo Práctico. Guía de Aprendizaje (Director 7.x/Lingo Practice. Learning Guide). Madrid: McGraw-Hill
13. Burgos, D. & De-León, L. (2000) Director 8.x Práctico. Guía de Aprendizaje'. (Director 8.x Practice. Learning Guide). Madrid: McGraw-Hill
14. Burgos, D. & De-León, L. (2000) Flash 4 Práctico. Guía de Aprendizaje (Flash 4 Practice. Learning Guide). Madrid: McGraw-Hill
15. Burgos, D. & De-León, L. (1999) Corel 9. Manual de Iniciación y Referencia (Corel Draw 9. Reference Handbook). Madrid: McGraw-Hill
16. Burgos, D. & De-León, L. (1998) Corel 8. Manual de Iniciación y Referencia (Corel Draw 8. Reference Handbook). Madrid: McGraw-Hill
17. Burgos, D. & De-León, L. (1998) Director 6.x. Manual de Iniciación y Referencia (Director 6.x. Reference Handbook). Madrid: McGraw-Hill
18. Burgos, D. (1997) 3D Studio Max Práctico. Guía de Aprendizaje (3D Studio Max Practice. Learning Guide). Madrid: McGraw-Hill

Patents

1. Burgos, D. & Corbí, A. (2020). Method of sending recommendation notifications to user groups of a web content manager and of one or more secondary web services. Patent number EP3624422 (European). Publication date: March, the 18th, 2020
2. Burgos, D. & De-La-Fuente-Valentín, L. (2020). Method for monitoring activities performed by user groups in online digital environments. Patent number EP3624421 (European). Publication date: March, the 18th, 2020
3. Paniagua, F., Nombela, J., González-Crespo, R. & Burgos, D. (2019). Blockchain-based system for issuing and validating certificates. Patent number 19382933.0-1219 (European). Registration date: October, 28th, 2019
4. Burgos, D. (2018). System and process to send notifications or content to users with differentiated roles in a network. Patent number 201730213. Patent ID: 2 665 371 (National). Concession date: April, 18th, 2018.

Scientific papers on indexed journals by Clarivate (Wok of Science). SCI/SSCI

1. Tilili, A., Denden, M., Duan, A., Padilla-Zea, N., Huang, R., Sun, T., & Burgos, D. (2021). Game-based learning for learners with disabilities – What is next? A systematic literature review from the Activity Theory perspective. *Frontiers in Psychology* (*accepted*)
2. Tilili, A., Burgos, D., Huang, R., Mishra, S., Sharma, R., & Bozkurt, A. (2021). An analysis of peer reviewed publications on Open Educational Practices (OEP) from 2007 to 2020: A bibliometric mapping analysis. *Sustainability*, 2021, 13(19), 10798. DOI: <https://doi.org/10.3390/su131910798>
3. Ashraf, M.A., Meijia, Y., Yufeng, Z., Denden, M., Tilili, A., Liu, J., Huang, R., & Burgos, D. (2021). A Systematic Review of Systematic Reviews on Blended Learning: Trends, gaps and future directions. *Psychology Research and Behavior Management*. 14:1525-1541. DOI: <https://doi.org/10.2147/PRBM.S331741>. Pubmed access from <https://pubmed.ncbi.nlm.nih.gov/34629910/>
4. Delgado, S., Moran, F., San-Jose, J.C., & Burgos, D. (2021). Analysis of students' behaviour through user clustering in online learning settings, based on Self Organizing Maps neural networks. *IEEE Access*, 9, pp. 132592-132608. DOI: <https://doi.org/10.1109/ACCESS.2021.3115024>
5. Burgos, D., Oviedo, L., Griffiths, D., & Vestrucci, A. (2021). Special Issue on Artificial Intelligence, Spirituality and Analogue Thinking. Editors' note. *The International Journal of Interactive Multimedia and Artificial Intelligence*, 7(1), 4-5. DOI: <https://doi.org/10.9781/ijimai.2021.08.012>
6. Guerra-Hahn, M., Baldiris-Navarro, S.M., De-La-Fuente-Valentin, L., & Burgos, D. (2021). A Systematic Review of the Effects of Automatic Scoring and Automatic Feedback in Educational Settings. *IEEE Access*, 9, pp. 108190-108198. DOI: <https://doi.org/10.1109/ACCESS.2021.3100890>
7. Burgos, D. (2021). Rituals and data analytics: A mixed-methods model to process personal beliefs. *The International Journal of Interactive Multimedia and Artificial Intelligence*, 7(1), 52-61. DOI: <https://doi.org/10.9781/ijimai.2021.07.002>. Retrieved July, the 19th, 2021, from <https://www.ijimai.org/journal/bibcite/reference/2970>
8. Thuluva, A. S. S., Somanathan, M. S., Somula, R., Sennan, S., & Burgos, D. (2021). Secure and efficient transmission of data based on Caesar Cipher Algorithm for Sybil attack in IoT. *EURASIP Journal on Advances in Signal Processing*, 2021(1), 1-23. DOI: <https://doi.org/10.1186/s13634-021-00748-0>
9. Affouneh, S., Khlaif, Z.N., Burgos, D., Salha, S. (2021). Can online education save education in Palestine during the COVID-19 crisis?, *Sustainability*, 13(12), 6583. DOI: <https://doi.org/10.3390/su13126583>
10. Ortiz, C., Simanca, F., Burgos, D., Blanco, F., Hernández, M. & Torres, W. (2021). Measurement of Cognitive Activity through EEG Signals: A View towards Education Technologies. *LINGUISTICA ANTVERPIENSIA*, 1639-1649.
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Contribution to Research & Development projects (*In bold, Project Coordinator/PI and Scientific Director roles*)

Nr	Year	Region	Role	Project, Institution, Funding source, Contract reference
1	2021-2023	European Project	Main researcher Universidad Internacional de la Rioja	Beware (Development of Professional Courses in Building Resilience and Sustainability to Extreme Weather Events). Erasmus+, KA220-VET - Cooperation partnerships in vocational education and training. Project reference: KA220-VET-F845AA5F
2	2021-2022	Icesco-FUMI	Scientific director of the Project & main researcher Universidad Internacional de la Rioja	Open Education and Science skills Training for university teachers in FUMI member universities. Islamic World Educational, Scientific and Cultural Organization (Icesco) / La Fédération des Universités Du Monde Islamique (FUMI)
3	2021-2022	Ministry of Education & French Embassy in Morocco	Main researcher Universidad Internacional de la Rioja	Montage & Mise en place d'un programme de formation our le renforcement des compétences numériques chez les enseignants chercheurs au sein de l'université. Project reference: 12-/0558 (20 juil 2021)
4	2021-2022	Ministry of Education & French Embassy in Morocco	Main researcher Universidad Internacional de la Rioja	UNIV-OUVERTE@MAROC. Renforcement des compétences numériques en matière d'Education ouverte et des Ressources Educatives Libres. Project reference: 12-/0557 (20 juil 2021)
5	2021-2024	European Project	Main researcher Universidad Internacional de la Rioja	PEPAICO (Preparing Entrepreneurs and Professionals to Artificial Intelligence's Challenges and Opportunities). Erasmus+, KA220-HED - Cooperation partnerships in higher education. Project reference: KA220-HED-8C9ADAE3
6	2021-2022	Servicio Geológico (Colombia)	Main researcher Universidad Internacional de la Rioja	Apropiación de la cultura digital para el ciclo II de la arquitectura empresarial en el servicio geológico colombiano. Project reference: H: 29541
7	2021-2024	European Project	Main researcher Universidad Internacional de la Rioja	E-Ducation: Teaching and Learning After 2020. Erasmus+, KA226: Partnerships for Digital Education Rediness. Project reference: 2020-1-ES01-KA226-SCH-095541
8	2021-2023	European Project	Main researcher Universidad Internacional de la Rioja	Fable (Training Faculty on Blended Learning). Erasmus+, KA226: Partnerships for Digital Education Readiness. Project reference: KA226-046E29E5
9	2021-2023	European Project	Main researcher Universidad Internacional de la Rioja	From Cure to Care (Digital education and spiritual assistance in hospital healthcare). Erasmus+, KA226: Partnerships for Digital Education Readiness. Project reference: 2020-1-IT02-KA226-HE-095300
10	2021-2023	European Project	Main researcher Universidad Internacional de la Rioja	StrategyHack (Hacking Institutional Strategies for Rapidly Deployed Digital Education). Erasmus+, KA226: Partnerships for Digital Education Readiness. Project reference: KA226-BA578E2D
11	2020-2023	European Project	Main researcher Universidad Internacional de la Rioja	Encore+ (European network to catalyse Open Educational Resources). Erasmus+, KA2: Cooperation for innovation and exchange of good practice – Knowledge partnerships. Project ID: 621586
12	2021-2023	Spain. MINECO	Project Manager, producer	Natural Language Processing for the Semiautomatic Grading of Tasks (Procesado de Lenguaje Natural para la Evaluación de Tareas Semiautomática) – PleNTaS.
13	2019-2022	Spain. MINECO	Researcher	Digital inequity and labour opportunities: Analysis of the online platforms for job search in Spain (Desigualdad digital y oportunidades laborales: estudio del uso de plataformas online para la búsqueda de empleo en España) – DDOL. RTI2018-098967-A-I00

14	2019-2021	European Project	Project Manager Universidad Internacional de la Rioja	Resonate (Development of Professional Courses in Sustainable Water Management). Erasmus+ KA202: Strategic Partnerships for vocational education and training. Project reference: 2019-1-MK01-KA202-060311
15	2019-2021	European Project	Main researcher (& Project Coordinator)	OpenGame (Promoting Open Education Through Gamification). Erasmus+ KA203: Strategic Partnerships for higher education. Project reference: 2019-1-ES01-KA203-065815
16	2019-2022	European Project	Main researcher Universidad Internacional de la Rioja	EdDico (Supporting the Development and Certification of the Digital Competences of Educators). Erasmus+ KA203: Strategic Partnerships for higher education. Project number: 2019-1-DE01-KA203-005070
17	2019-2022	European Project	Main researcher Universidad Internacional de la Rioja	Compete! (COMPetences for Effective labour markeT Entry!). Erasmus+ KA203: Strategic Partnerships for higher education. Project number: 2019-1-IT02-KA203-062350
18	2018-2021	European Project	Main researcher (& Project Coordinator)	Medici (Mapping the Evolving Digital Inclusion landscape to support Cohesion and Integration). DG Communications Networks, Content and Technology. Ref: Ares(2018)2357655
19	2018-2020	European Project	Main researcher Universidad Internacional de la Rioja	Comanity (A 'Community Animateur' Inclusive Training programme for Youth). Erasmus+. Education, Audiovisual and Culture Executive Agency. KA3 - Support for Policy Reform; Social inclusion through education, training and youth. Project number: 592182-EPP-1-2017-1-UK-EPPKA3-IPI-SOC-IN
20	2018-2020	European Project	Researcher	Keystone (Knowledge, Enterprise and Young People – supporting youth transitions in the new economy). Erasmus+. KA205 - Strategic Partnerships for youth. Project number: 2017-1-UK01-KA205-036403
21	2017-2019	National project. Ministry of Education, Morocco	Main researcher Universidad Internacional de la Rioja & Scientific director of the Project	MUN-REL (Les ressources educatives libres – Open Educational Ressources). Ministry of Education of Morocco. Project number: 02/00742
22	2017-2020	European Project	Main researcher Universidad Internacional de la Rioja	WeRelate. Cost Action “Advancing effective institutional models towards cohesive teaching, learning, research and writing development”. Project number: 15211
23	2017-2020	European Project	Main researcher Universidad Internacional de la Rioja	Edu-Hack (Hacking Education through eLearning and Open Education). Erasmus+. KA203 - Cooperation for Innovation and the Exchange of Good Practices. Strategic Partnerships for higher education. Project number: 2017-1-IT02-KA203-036854
24	2017-2019	Proyecto nacional	Researcher	Wittyline (Project Real-time learning process) Ministry of Energy and Digital Agenda in Spain. Project number: TSI-100600-2017-2
25	2016-2019	European Project	Researcher	Virtual Tours (Project Virtual Tours for Business Culture). Erasmus+. Project number: 2016-1-IT02-KA203-024195
26	2016-2017	European Project	Main researcher (& Project Coordinator)	IPTS-JRC-Open Policies. A Member States Case Studies on Policies for Opening up Education. Contract number: 930419-2016 A08-ES
27	2015-2018	European Project	Project manager, producer	e-Story (MEDIA AND HISTORY. From cinema to the web. Studying, representing and teaching European History in the digital era) . Erasmus+ KA2. Project number: 2015-1-IT02-KA201-014777
28	2015-2018	European Project	Main researcher Universidad	Qareer (Quality Assurance of Career Services in Higher Education). Erasmus+. Project number: 2015-1-R001-KA203-014972

			Internacional de la Rioja	
29	2015-2018	European Project	Main researcher Universidad Internacional de la Rioja	OpenMed (A bottom-up approach for opening up education in South-Mediterranean countries). Erasmus+. Contract: 2015-3166/001-001
30	2015-2019	European Project	Researcher	Espaq (Enhancing Students Participation in Quality Assurance in Armenian HE). Tempus. Contract: 2013-4615/001-001
31	2014-2017	European Project	Researcher	Social Seducement (Embracing vulnerability in entrepreneurship development). Erasmus+. Contract: 2014-1-UK01-KA200-001830
32	2014-2017	Regional project La Rioja	Main researcher (& Project Coordinator)	AppMOOC (Support to semi-automatic grading in MOOCs). Regional Development Agency of La Rioja (ADER). Project number: 2014-I-IDD-00030
33	2014-2016	Regional project La Rioja	Main researcher (& Project Coordinator)	Social4ALL (Usability platform for Social Networks). Regional Development Agency of La Rioja (ADER). Project number: 2013-I-IDD-00179
34	2013-2015	European Project	Main researcher Universidad Internacional de la Rioja	Virtual Mobility Passport. Implementing Recognition of Virtual Mobility and OER Learning through a Learning Passport (LLP-Erasmus, Grant Agreement: 2013-3719/001-001. Project number: 540476. 2013-2015)
35	2013-2015	European Project	Main researcher Universidad Internacional de la Rioja	eMundus. Fostering international Higher Education collaboration through ICT and open education (LLP-Erasmus Mundus, Grant Agreement: 2013-2508/001-001. Project number: 545766. 2013-2015)
36	2012-2015	European Project	Main researcher Universidad Internacional de la Rioja	INTUITEL, Intelligent Tutoring Interface for Technology Enhanced Learning (FP7 Programme-ICT-Call 8, Grant Agreement: 318496. 2012-2015)
37	2012-2015	European Project	Main researcher Universidad Internacional de la Rioja	Inspiring Science Education (http://www.inspiringscience.eu), Large Scale Experimentation Scenarios to Mainstream eLearning in Science, Mathematics and Technology in Primary and Secondary Schools (ICT PSP sixth call for proposals 2012, Grant Agreement: 325123. 2012-2015)
38	2012-2014	European Project	Main researcher Universidad Internacional de la Rioja y Scientific director of the project	EDUMOTION, Education on the Move – Mobile access to educational content (FP7 Programme-SMEs-2012-1, Grant Agreement: 315568. 2012-2014)
39	2012-2017	European Project	Main researcher del proyecto (Coordinator)	HOTEL, Holistic Approach to Technology Enhanced Learning (FP7 Programme-ICT-Call 8, Grant Agreement: 318530. 2012-2014)
40	2012-2014	European Project	Main researcher Universidad Internacional de la Rioja	EU-USR, Comparative Research on University Social Responsibility in Europe and Development of a Community Reference Framework (Lifelong Learning Programme – Erasmus-EAC/27/11, Grant Agreement: 2012-3212/001-001. Project number: 527209. 2012-2014)
41	2011-2013	European Project	Researcher	Encourage. Embedded iNtelligent CONTrols for bUildings with Renewable generAtion and storage. COMISION EUROPEA. ARTEMIS JOINT UNDERTAKING- ASP7 [2011-2013 (2011)]. Ref. Contract: 269334
42	2010-2014	European Project	Main researcher ATOS Origin	GALA. Game and Learning Alliance. FP7 Programme. Grant Agreement: 258169. Ref Contract: 258169

43	2010-2014	European Project	Researcher	Nessos. Network of Excellence on Engineering Secure Future Internet Software Services and Systems. COMISION EUROPEA. FRAMEWORK PROGRAMME VII [2010-2014 (2011)]. Ref. Contract: 256980
44	2010-2013	European Project	Main researcher ATOS	Go-mylife. Going social: my social Life. AAL Programme. Ref Contract: AAL 2009-2-269
45	2010-2013	European Project	Researcher	Possecco. Policy and Security Configuration Management. COMISION EUROPEA. FRAMEWORK PROGRAMME VII [2010-2013 (2011)]. Ref. Contract: 257129
46	2010-2012	National Ministry of Industry, Spain	Main researcher & Scientific director of the project	PAUTA. Sistema Integrado de apoyo y teleasistencia para polimedicados. [2010-2012]. Ref Contract:: TSI-020302-2010-131
47	2010	European Project	Researcher	Support to the Civil Service Agency of Bosnia and Herzegovina for the Promotion of E-Government in the Public Administration Sector. European Commission & Agencia Española de Cooperación Internacional-AECI
48	2009-2013	European Project	Main researcher ATOS Origin	Veritas. Virtual and Augmented Environments and Realistic User Interactions To achieve Embedded Accessibility DesignS, FP7 Programme. Ref Contract: 247765
49	2009-2012	European Project	Main researcher ATOS Research & Innovation	Stellar, FP7, Network of Excellence focused on Technology Enhanced Learning. Ref Contract: 231913
50	2009-2011	European Project	Main researcher ATOS Origin	IntelLEO. Intelligent Learning Extended Organisation, ICT- 231590, FP7 Programme. Coordinación del WP8 sobre divulgación de resultados, planes de explotación y modelos de negocio; Coordinación del WP4 sobre modelos de usuario e integración de servicios; Jefe de Proyecto desde ATOS Origin [2009-2012 (2011)]. Ref Contract: 231590
51	2009-2011	National Ministry of Industry, Spain	Main researcher y Project Coordinator	TELMA. Entorno de Teleformación y Contenidos Digitales Multimedia en Cirugía Mínimamente Invasiva [2009-2011]. Ref Contract: TSI-020110-2009-85
52	2009-2011	National Ministry of Industry, Spain	Main researcher y Project Coordinator	GAMETEL. Simulaciones y juegos educativos adaptados a cada usuario y a múltiples dispositivos [2009-2011]. Ref Contract: TSI-020110-2009-170
53	2008-2011	European Project	Main researcher ATOS Research & Innovation	Sister, FP7, Strengthening the IST Research Capacity of Sofia University. [2008-2011]. Ref Contract: 205030
54	2008-2011	European Project	Main researcher ATOS Research & Innovation	Grapple, FP7, Generic Responsive Adaptive Personalized Learning Environment. [2008-2011]. Ref Contract: 215434
55	2008-2011	European Project	Main researcher	Comeln, FP7, Online Mobile Communities to Facilitate the Social Inclusion of Young Marginalised People. [2008-2011]. Ref Contract: 224369
56	2008-2009	European Project	Main researcher ATOS Research & Innovation	EU-China Information Society, European Framework Programme VII. Research on Establishment of ICT Measures for Social Development. [2008, 2009] Ref Contract: ISP/D/AWP3/EUCN-001/6
57	2008-2009	National Ministry of Industry, Spain	Main researcher & Project Coordinator	Flexo , Plan Avanza, Spanish National Project, Adaptive, accessible and open source eLearning framework [2008-2011] Ref Contract: TSI-020301-2008-19
58	2007-2009	National Ministry of Industry, Spain	Main researcher ATOS Research &	Suma, Plan Avanza, Spanish National Project, aims to develop a system integrating e-learning services through well-known standards. [https://eduforge.org/projects/suma] [2007-2009] Ref Contract: TSI-020301-2008-9

			Innovation	
59	2007-2008	National Ministry of Education, Spain	Researcher	Evalcomix: evaluación de competencias en un contexto de aprendizaje mixto. [2007-2008] Ref Contract:: BOE 141 de 13 de junio de 2007
60	2006-2010	European Project	Main researcher ATOS	Eu4all, FP6, European Unified Approach for Assisted Lifelong Learning. [http://www.eu4all-project.eu] [2006-2010] Ref Contract: 034778
61	2006-2009	European Project	Researcher	Agent-Dysl, FP6, Development of an agent-based software service to support the reading skills of dyslexic children [2006-2009] Ref Contract: 034549
62	2006-2008	European Project	Researcher	TENCOMPETENCE. FP6, about Competences and Life Long Learning. [2006-2008]. Ref Contract: 027087
63	2005-2008	European Project	Researcher	Luisa, FP6, Learning Content Management System Using Innovative Semantic Web Services Architecture. Focused on eLearning Standards [http://luisa.atosorigin.es] [2005-2008] Ref Contract: 027149
64	2005-2007	European Project	Main researcher ATOS	NiHao, FP6, setting up an IST National Contact Point in China to promote bilateral collaborations [http://www.ec-nihao.org] [2005-2007] Ref Contract: 045021
65	2004-2008	European Project	Researcher	ProLearn. FP6, network of excellence for professional learning. [2004-2008]. Ref. Contract: 507310
66	2004-2007	European Project	Researcher	Kaleidoscope. FP6, shaping the scientific evolution of technology enhanced learning. [2004-2007] Ref. Contract: 507838
67	2004-2005	European Project	Researcher	UNFOLD. Understanding new frameworks of Learning Design. Comisión Europea. Framework Programme VI [2004-2005]. Ref Contract:: 507835