

**Curriculum Vitae**  
**Mauricio Barcellos Almeida, PhD**  
**June 17, 2022**

School of Information Science  
Federal University of *Minas Gerais*  
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Campus Pampulha – ZIP 31.270-901  
Belo Horizonte – Minas Gerais – Brazil  
[google scholar](#) ♦ [research gate](#) ♦ [academia](#) ♦ [dblp](#) ♦ [linkedin](#)

**EDUCATION**

Federal University of Minas Gerais: PhD in Information Science, 2006.

Thesis: An ontology-based model for the construction of the organizational memory.

Federal University of Minas Gerais: MSc in Information Science, 2002.

Dissertation: Interoperability among heterogeneous data sources – a metamodel based on ontologies.

Catholic University of Minas Gerais: Postgraduate Certificate in Software Engineering, 1999.

Monograph: Intelligent agents.

National Union of Business: Postgraduate Certificate in Business Administration, 1991.

Federal University of Minas Gerais: Bachelor's Degree in Civil Engineering, 1988.

**RESEARCH INTERESTS**

Knowledge Representation: Applied ontology, Vocabularies for Information Systems.

Information Systems: Modeling and Ontology-driven information systems.

**ACADEMIC POSTS AT THE FEDERAL UNIVERSITY OF MINAS GERAIS, BRAZIL**

2019– 2020	Vice- Chair, Graduate Program in Knowl. Organization & Management
2015–2016	Chair, Graduate Program in Knowl. Organization & Management
2013–2015	Vice-Chair, Graduate Program in Information Science
2012–	Research Associate Professor (Level IV)
2006–2012	Research Adjunct Professor
2007–2008	Vice-Chair, Department of Information Theory and Management
2002–2005	Assistant professor
2000-2002	Substitute Professor

**ACADEMIC POSTS AT THE CATHOLIC UNIVERSITY OF MINAS GERAIS, BRAZIL**

2000–2004      Assistant professor, Computer Science and Information Institute.

## **VISITING POSITIONS**

- 2018–2018 Visiting fellow, Department of Medical Humanities and Bioethics, College of Medicine, University of Arkansas for Medical Sciences, US
- 2017–2018 Research fellow, Department of Gynecology and Obstetrics, College of Medicine, Federal University of Minas Gerais, BR
- 2010–2011 Research fellow, Department of Philosophy, the State University of New York at Buffalo, US

## **RESEARCH INSTITUTIONS INVOLVEMENT**

- 2020– Founder of the National Center of Ontological Research (NCOR), Brazilian Chapter. BR.
- 2019– Member of the Center for Interdisciplinary Studies – 20th Century, University of Coimbra. PT.
- 2018– Member of the Committee for Planning Digital Health in Brazil, Ministry of Health, Monitoring and Evaluation Department. BR.
- 2017– Chair-Elected of the Brazilian Chapter of American Society of Information Science and Technology, US.
- 2010– Accredited Research Group: Ontologies, Language and Knowledge Representation. Group Leader, BR.

## **HONORS AND AWARDS**

- 2007 Prize for the best Brazilian Information Science Thesis of 2006, the National Association of Graduate Research in Information Science.

## **CONSULTANCIES**

- 2018–2019 Brazilian Ministry of Health, National Center for Biomedical Terminology
- 2018–2019 Brazilian Ministry of Health, Steering Committee for the e-Health Strategy
- 2017–2017 Diagnosis Related Groups, Brazil (medical terminology)
- 2016–2020 Brazilian Society of Healthcare Informatics, Brazil (medical terminology)
- 2012–2015 Power Supply Company, State of Minas Gerais (archives management)
- 2011–2014 Blood Transfusion Center of Minas Gerais (medical terminology)
- 2007–2009 Brazilian Government, State of Minas Gerais (document management)

## **JOURNAL REVIEWER**

- 2017– Journal of Universal Computer Science, Austria
- 2016– Library Hi Tech Information, Taiwan
- 2016– American Medical Informatics Association, US
- 2015– Journal of Information Science, UK

- 2015– Information Research, US
- 2015– Athens Journal of Technology and Engineering, Greece
- 2015– *EmQuestão* Journal, Brazil
- 2014– Journal of the American Society for Inf. Science and Technology, US
- 2014– Knowledge Organization Journal, ISKO, US
- 2014– Learning and Nonlinear Models, Brazil
- 2013– International Journal of Metadata, Semantics and Ontologies, UK
- 2010– Perspectives in Information Science, Brazil
- 2010– Information Science, Brazil

### **EDITORIAL BOARDS**

- 2020 – Main-Editor of Frontiers of Knowledge Representation, Brazil
- 2013–2015 Information and Technology Journal, Brazil
- 2011–2016 AIAI Journal of Knowledge, Learning and Ontology Engineering, India
- 2010–2013 Perspectives in Information Science, Brazil

### **CONFERENCE PROGRAM COMMITTEES**

- 2015–2016 International Workshop on Definitions in Ontologies, US
- 2015– American Medical Informatics Association Annual Symposium, US
- 2015–2016 International Conference on Advances in Semantic Processing, France
- 2015–2016 World Conference on Information Systems and Technologies, Portugal
- 2015–2019 Annual Brazilian Conference on Medical Informatics, Brazil
- 2013– Enterprise Engineering Working Conference, Portugal
- 2012– Formal Ontologies in Information Systems, Italy
- 2010– Seminar for Research in Ontologies, Brazil
- 2009– National Seminar on Information Science, Brazil

### **OTHER REVIEWING**

- 2022– Swiss National Science Foundation (SNSF)
- 2016–2018 International Academy, Research, and Industry Association (IARIA)
- 2013– Representative of the Federal University of *Minas Gerais* in the “Cooperation, Interoperability – Architecture, Ontology (CIAO!) Enterprise Engineering Network (Technical University of Delft, Netherlands)
- 2010– 195 Technical Reviews (it includes journal and conferences reviews, technical reports, evaluation of funding for projects, events and scholarships, evaluation of didactic material, creating of examinations, to mention a few)

## WORKING GROUPS

- 2020 – National Center for Ontological Research, Brazilian Chapter, Federal University of Minas Gerais, BR
- 2018– National Scientific Integrity Committee, Brazilian National Council for Scientific and Technological Development, BR
- 2010– Ontology Research Group, State University of New York at Buffalo, US
- 2010–2014 Ontology and Conceptual Modeling Group, Center of Informatics Research, Southern Illinois University of Carbondale, US
- 2009–2014 The Human T-Lymphotropic Virus Interdisciplinary Research Group, Hemominas Foundation, BR
- 2007– Knowledge Representation, Ontologies and Language Research Group, Federal University of *Minas Gerais*, BR (currently group leader)
- 2005–2008 Knowledge and Information Management Research Group, Federal University of *Minas Gerais*, BR

## TEACHING EXPERIENCE

- 2005– Graduate Seminar
- Ontological Foundations of Information Organization
  - Ontological Information Modeling
  - Applied ontology
  - Ontological Representation in Formal Systems
  - Foundations of Knowledge Organization
  - Seminar of Research I and II (for PhD candidates)
- Postgraduate Seminar
- Corporative Information Systems
  - Electronic Document Management and Archiving
- Undergraduate Lecture Course
- Introduction to Ontologies
  - Introduction to Computer Science
  - Information Retrieval Systems
- 2000–2004 Undergraduate Lecture Course
- Software engineering
  - Information Systems (levels I and II)
  - Information Organization
  - Computing Essentials

## Indexing Languages

- 2006– Examination Panel Participation
- Served as a member of around 50 dissertation panels
  - Served as a member of around 40 thesis panels.

## POSTDOCTORAL RESEARCH DIRECTED

Postdoctoral research concluded supervisions (3):

Heliana Mello (Full Professor). Natural Language Processing Applied to Ontologies. (In Portuguese). Federal University of Minas Gerais. 2020 to date.

Christiano Pessanha. Social Ontology And Document Acts. (In Portuguese). Federal University of *Minas Gerais*. 2015 to 2016.

Eduardo Mattos. Study in Causality: Applications for Ontologies. (In Portuguese). Federal University of *Minas Gerais*. 2009 to 2010.

## PH.D. DISSERTATIONS DIRECTED

Currently supervising (2):

Cristiano Moreira. Social Ontology Applied To The Economic Context. (In Portuguese). Federal University of *Minas Gerais*. 2016 to date.

Renato Fabiano. Referent Tracking Applied To A Corporate Context: A Study Case In The Brazilian Federal Reserve System. (In Portuguese). Federal University of *Minas Gerais*. 2016 to date.

PhD concluded supervisions (14):

Luiz M. O. Machado. Between The Organization Of What Is Knowledge And Knowledge Of Your Organization A Comparative Study Between Ontological Approaches Of Integrative Levels Classification And Basic Formal Ontology. (In Portuguese). University of Coimbra. 2018 to 2022.

Guilherme Noronha. Addressing health information to meet the need for privacy: textual de-identification of clinical documents in Brazilian Portuguese. Federal University of Minas Gerais. 2017 to 2022.

Livia D. Teixeira. Ontological Analysis Of Processes In Healthcare Organizations (In Portuguese). Federal University of *Minas Gerais*. 2016 to 2019.

Eduardo Felipe. Automatic Classification In Inference Engines Applied To Information Science Deeds. (In Portuguese). Federal University of *Minas Gerais*. 2016 to 2020.

Jeanne L. Emygdio. Ontology-oriented semantic interoperability methodology for Information Science: a case study in the energy domain. (In Portuguese). Federal University of *Minas Gerais*. 2016 to 2020.

Amanda D. Souza. The connection between the speech in the clinical practice and standard terminologies. (In Portuguese). Federal University of *Minas Gerais*. 2016 to 2020.

Jaime A. Pinto. Interoperability in Government Information Systems and Services . (In Portuguese). Federal University of *Minas Gerais*. 2016 to 2020.

Fabiana Bigão Silva. Implications of gamification in the online education platform project: a case study. Federal University of Minas Gerais. 2016 to 2020.

Luciana Emirena. Design Science in Information Science. (In Portuguese). Federal University of *Minas Gerais*. 2016 to 2020.

Fernanda Farinelli. Ontologies in the Newborn's Domain (In English). Federal University of *Minas Gerais* (sandwich at the University at Buffalo with Professor B. Smith). 2013 to 2016.

Simone Torres. Ontologies for Legal Documents (In Portuguese). Federal University of *Minas Gerais* (sandwich at the University of Coimbra). 2012 to 2015.

Kátia C. Coelho. Document-acts Applied to DEMO Modeling Method: a Study Case in a Healthcare Institution (In Portuguese). Federal University of *Minas Gerais* (sandwich at University of *Madeira* with Professor David Aveiro). 2013 to 2016.

Fabício M. Mendonça. OntoForInfoScience: A Methodology To Support Information Scientists In Building Ontologies Through An Application In The Blood Transfusion Domain (In Portuguese). Federal University of *Minas Gerais* (sandwich at the University of *Porto* with Professor Antônio Lopes). 2011 to 2015.

Elisângela C. Aganette. Biomedical Knowledge Representation: An Investigation About Theory Of Terminology And Theory Of Applied Ontology Within The Blood Domain (In Portuguese). Federal University of *Minas Gerais*. 2011 to 2015.

André Q. Andrade. The medical language used in medical records and its representations in information systems: ontologies and information models (In Portuguese). Federal University of *Minas Gerais* (sandwich at The Medical University of *Graz* with Professor S. Schulz). 2008 to 2012.

#### Unfinished PhD supervisions (4):

Frederico Figueiredo. Knowledge Representation In The Legal Domain. (In Portuguese). Federal University of *Minas Gerais*. 2016 to 2018.

Rommel Carneiro. Interoperability Between Medical Information Systems. (In Portuguese). Federal University of *Minas Gerais*. 2016 to 2019.

Joice Teixeira. Aboutness: A Theoretical Investigation. (In Portuguese). Federal University of *Minas Gerais*. 2012 to 2018.

Stefane Melo. Ontological Modeling For Healthcare Organizations. (In Portuguese). Federal University of Minas Gerais. 2016 to 2018.

#### **MASTERS DISSERTATIONS DIRECTED**

##### MSc concluded supervisions (15):

Flavia Oliveira. Verbal Valences In Knowledge Organization. (co-supervision). (In Portuguese). Federal University of *Minas Gerais*. 2017 to 2019.

Guilherme Noronha. Inference Engines For Medical Ontologies. (In Portuguese). Federal University of *Minas Gerais*. 2014 to 2017.

Amanda D. Souza. Systematization of Creating Definitions In Biomedical Ontologies: An investigation in acute leukemia. Federal University of *Minas Gerais*. 2013 to 2015.

Stefane Melo. Evaluation of information systems conceptual modeling through reference ontologies: Checking the whole-part relationship. Federal University of *Minas Gerais*. 2012 to 2014.

Lucélia Branquinho. Knowledge Discovery applied to results of laboratories. Federal University of *Minas Gerais*. 2012 to 2014.

Simone Torres. Characterizing the legal document to knowledge organization. Federal University of *Minas Gerais*. 2013 to 2015.

Jacqueline Pavlowisk. Information Sources In Life Sciences. Federal University of *Minas Gerais*. 2009 to 2011.

Silvana A. S. Santos. Theoretical-Practical Principles To Establish Semantic Relationships In Archival Classification Plans: A Case Study In Federal Universities. Federal University of *Minas Gerais*. 2008 to 2010.

Leonardo M. Padilha. Ontologies In The Support Of Archival Science: Defining Metadata To Digital Preservation. Federal University of *Minas Gerais*. 2008 to 2010.

Joel A. de Oliveira. A prototype for searching and visualizing ontologies. Federal University of *Minas Gerais*. 2008 to 2010.

Kátia C. Coelho. Knowledge acquisition to ontologies: An investigation in the domain of hematology. Federal University of *Minas Gerais*. 2008 to 2010.

Luciana E.S. Carneiro. Knowledge Management In The Scope Of Practices To Information Security: People, Processes, Technology. Federal University of *Minas Gerais*. 2008 to 2010.

Livia M. D. Teixeira. Linguistic Support To Build Ontologies: Troponymy And Frames Semantics. Federal University of *Minas Gerais*. 2007 to 2009.

Viviane N. P. Oliveira. An Ontology-Orientated Investigation Of Conceptual Models: A Case Study Of Models Developed At The UFMG's Software Engineering Lab. The Federal University of *Minas Gerais*. 2007 to 2009.

Daniela Lucas. Methodologies For The Construction Of Thesauri And Ontologies: A Comparison. (co-supervision). Federal University of *Minas Gerais*. 2006 to 2008.

## **OTHER SUPERVISION**

15 postgraduate certification students.

55 undergraduate students (Information Science).

53 undergraduate students (Computer Science and Information Systems).

## **PUBLICATIONS SUMMARY**

- In English: 60
- In Portuguese: 119

- Total: 179

See full list in the Appendix

## APENDIX

(Available on the Internet: <<https://mba.eci.ufmg.br/publicacoes/>>, Access 11/10/2021).

### PUBLICATIONS IN ENGLISH (63)

Souza, A. D.; Almeida, M.B. (2022). Definitions in Biomedical Ontologies: The Method ONTODEF. *Journal of Biotechnology & BioResearch*, volume 3, issue 4. (short paper).

Emigdyo, J.L; Almeida, M.B. (2022). Innovation in Information Technology for Biomedicine: Ontologies Applied to the Systems Interoperability. *Journal of Biotechnology & BioResearch*, volume 3, issue 3. (short paper).

Farinelli, F.; Almeida, M.B. (2022). Ontologies as Knowledge Representation Strategy in Biomedicine. *Biomed Research And Technology*, volume 15, issue 1 (short paper).

Almeida, M.B.; Moreira, C. (2021). Toward an ontological representation for corporate financial documents and their components: an investigation on balance sheets and their accounts. *Proceedings of the 2nd International Workshop on Ontology of Social, Legal and Economic Entities*. Italy.

Almeida, M.B; Emigdyo, J.L. (2021). Formal Top-level Ontologies Applied to the Integration of Biomedical Terminologies. *Journal of Biotechnology & BioResearch* 2(5). JBB. 000550. 2021. (short paper).

Almeida, M.B; Felipe, E.R. (2021). The queries expansion on biomedical terminologies: toward a comparison of knowledge representation artifacts for information retrieval. *Trends in Technical & Scientific Research (TTSR)*. 5 (1). DOI:10.19080/TTSR.2021.05.555654 (short paper).

Pinto, J. A.; Almeida, M. B. (2020). An Applied Ontology-Oriented Study Case to Distinguish Public and Private Institutions Through Their Documents. *Knowledge Organization*, v.47 n.6, 2020, p. 582-592, US.

Machado, L.M.O.; Almeida, M.B.; Souza, R.R. (2020). What researchers are currently saying about ontologies: a review on recent Web of Science articles. *Knowledge Organization Journal*, v.47 no.3 – US

Almeida, M.B.; Ribeiro, E.F.; Barcelos, R. (2020). Toward a Document-Centered Ontological Theory for Information Architecture in Corporations. *Journal of the Association for Information Science and Technology*. Volume71, Issue 11, Pages 1308-1326. DOI: 10.1002/asi.24337, EUA.

Almeida, M.B.; Teixeira, L.M.; Emigdyo, J.L. (2020). Representing and Connecting the Biomedical Science through the Applied Ontology Discipline. *American Journal of Biomedical Science & Research*, vol.7, n.4. DOI: 10.34297/AJBSR.2020.07.001182, US. (short paper).

Almeida, M.B. (2019). Ontologies and classification: the unavoidable interplay between human reasoning and machine reasoning. *Proceedings of the 11th of the Qualitative and Quantitative Methods in Libraries International Conference*. Italy.

Almeida, M.B.; Lima, G. A. B.; Simões, M. G. (2019). Deciphering the acts of documents: a theoretical framework and model to organize documents. *The 14<sup>th</sup> Portugal-Spain ISKO Conference*. ES.

Simões, M.G.; Machado, L.M. ; Souza, R.R.; Lopes, A.T.; Almeida, M.B. (2018). Automatic indexing and ontologies: the consistency of research chronology and authoring in the context of Information Science. Proceedings of the Fifteenth International ISKO Conference, Porto. PT.

Almeida, M.B., Farinelli, F. (2017). Ontologies for representation of electronic medical records: The obstetric and neonatal ontology. The Journal of the American Society for Information Science and Technology. U.S. doi:10.1002/asi.23900.

Almeida, M.B.; Brochhausen, M.; Silva, F.B. (2017). An ontological approach to the normative dimension of organizations: an application of Documents Acts Ontology. Information Science Journal, v.46, n.1, p.213-226.

Almeida, M.B.; Pessanha, C.; Barcelos, R. (2017). A information architecture for organizations: a social ontology approach. Book chapter. In: Ontology in Information Science. Thomas, C. (Ed.). ISBN 978-953-51-5354-2.

Smith, B., Almeida, M.B., Bona, J., Brochhausen, M., Ceusters, W.; Courtot, C., Dipert, R., Goldfain, A., Grenon, P., Hastings, J., Hogan, W., Jacuzzo, I., Johansson, I., Mungall, C., Natale, D., Neuhaus, F., Overton, J., Petosa, A., Rovetto, R., Ruttenberg, A., Ressler, M., Rudnicki, R., Seppälä, S., Stefan Schulz, S. and Zheng, J. (2016-2018). Basic Formal Ontology 2.0: Specification and User's Guide.

Coelho, K., Aveiro, D., Almeida, M.B. (2016). Towards a formal account to dealing with documents-acts within DEMO method. Proceedings of the 6th Enterprise Engineering Working Conference (EEWC 2016). Funchal.

Farinelli, F., Almeida, M.B., Elkin, P., Smith, B. (2016). Interoperability Among Prenatal EHRs: A formal ontology approach. Poster. Proceedings of the American Medical Informatics Association (AMIA) Symposium. Chicago.

Farinelli, F., Almeida, M.B. (2016). OntONeo: The Obstetric and Neonatal Ontology. Proceedings of the International Conference of Biomedical Ontologies. Corvallis.

Souza, A.D., Almeida, M.B. (2016). Natural Language Definitions for the Leukemia Knowledge Domain. Short paper. Proceedings of the International Conference of Biomedical Ontologies. Corvallis.

Mendonça, F.M., Almeida, M.B. (2016). OntofoInfoScience: A detailed methodology for construction of ontologies and its application in the blood domain. Brazilian Journal of Information Science: Research Trends, 10(1), 12-19.

Mendonça, F.M., Almeida, M.B., Soares, A. L., Sousa, C.P. (2015). From a consensual conceptual level to a formal ontological level: a case study in healthcare organizations. Proceedings of the 9th International Conference on Advances in Semantic Processing (SEMAYRO 2015). Nice.

Almeida, M.B., Souza, R., Baracho, R. M. A. (2015). Looking for the identity of Information Science in the age of big data, computing clouds and social networks. Proceedings of the 4th International Symposium of Information Science (ISI 2015). Zadar.

Souza, A.D., Almeida, M.B. (2015). Textual Definitions in the leukemia domain: Methodological guidelines for biomedical ontologies. Poster. Proceedings of the 15th World Congress on Health and Biomedical Informatics (MEDINFO 2015). São Paulo.

Farinelli, F., Almeida, M.B., Souza, I. L. (2015). Linked Health Data: how linked data can help to provide better health decisions. Poster. Proceedings of the 15th World Congress on Health and Biomedical Informatics (MEDINFO 2015). São Paulo.

Coelho, K.C., Almeida, M.B. (2015). Representation of biomedical expertise in ontologies: A case study about knowledge acquisition on HTLV viruses and their clinical manifestations. Poster. Proceedings of the 15th World Congress on Health and Biomedical Informatics (MEDINFO 2015). São Paulo.

Oliveira, J.P., Almeida, M.B. (2015). Specialized information sources in health sciences: Analysis of features and proposed criteria for evaluation. Short Paper. Proceedings of 2nd Annual International Conference on Library and Information Science. Athens.

Souza, A.D., Almeida, M.B., Neto, J.C.A. (2015). Creation of definitions for ontologies: A case study in the leukemia domain. Proceedings of International Conference on Data Integration in the Life Sciences 2015 (DILS2015). Los Angeles.

Baracho, R. M. A., Branquinho, L., Almeida, M.B., Souza, R.R. (2015). Using ontologies and inference engine in association rule of data mining: Application in sales strategies in medical laboratory diagnostic market. Proceedings of the 19th World Multi-conference on Systemics, Cybernetics and Informatics (WMSCI 2015). Orlando.

Baracho, R. M. A., Branquinho, L., Almeida, M.B. (2015). Ontologies in support of data-mining based on associated rules: A case study in a medical diagnosis company. Short Paper. Proceedings of the 5th Brazilian Seminar of Research in Ontologies. São Paulo.

Farinelli, F., Almeida, M.B. (2014). Ontologies and terminologies for semantic interoperability: An analysis focused on healthcare information systems. Proceedings of the Enterprise Engineering Working Conference (EEWC 2014). Funchal.

Coelho, K.C., Almeida, M.B. (2014). Ontological principles of documents act in DEMO methodology: A case study in the context of public health institutions. Proceedings of the Enterprise Engineering Working Conference (EEWC 2014). Funchal.

Oliveira, J. P., Almeida, M.B., Araújo, E.P., Oliveira, C. C. V. (2014). Remarks about the concept of information sources for the fields of information science and life sciences. Proceedings of the 13th Knowledge Organization International Conference (ISKO 2014). Krakow.

Melo, S., Almeida, M.B. (2014). Applying foundational ontologies in conceptual modeling: A case study in a Brazilian public company. The 10th International Workshop on Ontology Content - Proceedings of On the Move to Meaningful Internet Systems. Amantea.

Almeida, M.B., Baracho, R.M.A. (2014). A theoretical investigation about the notion of parts and wholes: Mereological and Meronymic Relationships. Brazilian Journal of Information Science: Research Trends, 8(1/2), 1-38.

Almeida, M.B. (2013). Revisiting ontologies: A necessary clarification. Journal of the American Society of Information Science and Technology. 64(8), 1682–1693.

Brochaussen, M.B., Almeida, M.B., Slaughter, L. (2013). Towards a formal representation of document acts and the resulting legal entities. In: R.D. Ingthorsson, C Svennerlind, and J Almäng (Eds.), Johanssonian Investigations, 120-139. Frankfurt: Verlag.

Almeida, M.B., Slaughter, L., Brochaussen, M.B. (2012). Towards an ontology of document acts: introducing a document act template for healthcare. Lecture Notes in Computer Science 7567, 420–425.

Souza, R. R., Tudhope, S., Almeida, M. B. (2012). Towards a taxonomy of KOS: Dimensions for classifying knowledge organization systems. Knowledge Organization Journal, (39)3. 179-182.

Almeida, M. B., Andrade, A. Q., Mendonça, F. M. (2012). Epistemology and medical records: An applied evaluation. Proceedings of the 5th Ontobras/MOST. Recife.

Mendonça, F. M., Cardoso, K.C., Almeida, M.B. (2012). Knowledge Acquisition in the construction of ontologies: A case study in the domain of hematology. Proceedings of the International Conference of Biomedical Ontologies. Graz.

Andrade, A.Q., Almeida, M.B., Schulz, S. (2012). Revisiting ontological foundations of the OpenEHR entry model. Proceedings of the International Conference of Biomedical Ontologies. Graz.

Almeida, M.B., Souza, R. R. (2011). Documents in knowledge management support: A case study in healthcare organizations. In T H Hou (Ed.) Knowledge Management / Book 2. Taiwan: University of Taiwan.

Almeida, M.B., Andrade, A. Q. (2011). Information, reality and epistemology: An ontological take. Proceedings of the OBML 2011 – Workshop of Ontologies in Biomedicine and Life Sciences at Informatik 2011. Berlin.

Andrade, A.Q., Almeida, M. B. (2011). A realism-based analysis of the Open EHR entry model. Proceedings of the Managing Interoperability and ComplexXity in Health Systems at the 20th ACM International Conference on Information and Knowledge Management. Glasgow.

Silva, D. L., Souza, R. R. Almeida, M. B. (2011). Ontologies and controlled vocabularies. In S Smolnik, F Teuteberg, O Thomas, (Eds.). Semantic Technologies for Business and Information Systems Engineering. Osnabruck: University of Osnabruck.

Andrade, A. Q., Almeida, M. B. (2011). Realist representation of the medical practice: An ontological and epistemological analysis. Proceedings of the 4th Brazilian Seminar of Research on Ontologies. *Gramado*.

Almeida, M. B; Souza, R. R.; Fonseca, F. (2011). Semantics in the Semantic Web: A critical evaluation. Knowledge Organization Journal, 38(3), 187-203.

Ai, J., Almeida, M. B., Rutenberg, A., Andrade, A. Q., Smith, B. (2011). Body Fluids Ontology: An unified application ontology for basic and translational science. Proceedings of the International Conference of Biomedical Ontologies. Buffalo.

Almeida, M.B, Proietti, A.B., Ai, J., Smith, B. (2011). The Blood Ontology: an ontology in the domain of hematology. Proceedings of the International Conference of Biomedical Ontologies. Buffalo.

Andrade, A. Q., Almeida, M. B. (2011). Epistemological issues in information organization instruments: ontologies and health information models. Proceedings of the International Conference of Biomedical Ontologies (doctoral consortium). Buffalo.

Souza, R. R., Tudhope, D., Almeida, M. B. (2009). The KOS spectra: a tentative faceted typology of knowledge organization systems. Proceedings of the International Society for Information Organization (ISKO) Conference. Rome.

Almeida, M.B., Barbosa, R. R. (2009). Ontologies in knowledge management support: A case study. *Journal of American Society of Information Science and Technology*, 60(10), 2032-2047.

Almeida, M. B. (2009). A proposal to evaluate ontology content. *Applied Ontology*, 4(3/4), 245-265.

Manhã, E.M., Silva, M.C., Alves, M.C.G., Almeida, M.B., Brandão, M.G.L. (2008). PLANT - A bibliographic database about medicinal plants. *Brazilian Journal of Pharmacognosy*, 18(4), 614-617.

### **PUBLICATIONS IN PORTUGUESE (119)**

Almeida, M.B. (2022). *Ontology in Information Science: Advanced Studies. Knowledge Representation in Information Science Collection: Volume 3*, (Forthcoming CRV publishing house).

Emigdyo, J.L., Almeida, M.B., Teixeira, L.M.D. (2021). An essay on applied ontology in information retrieval for information science. (Forthcoming *Ponto de Acesso Journal*).

Almeida, M.B; Emigdyo, J.L. (2021). *Ontology in Information Science: A Complete Course with Theory and Exercises. Curitiba: CRV*, 180 p. Knowledge Representation in Information Science Collection: supplementary volume. (book in phase of printing ).

Souza, A.D., Felipe, E. R., Farinelli, F., Emygdio, J.L., Teixeira, L. M.D.; Almeida, M.B. (2021). Integration between textual data from Electronic Healthcare Records (EHRs) and clinical terminology. In: "Computer Engineering 3, Challenges in Engineering Collection". (Forthcoming *Athena publishing house*).

Mendonça, F. M., Castro, L.P., Souza, J.F., Almeida, M.B. (2021). Onto4AllEditor: A Graphical Web-based Editor for Building Ontologies for all kinds of users. *EmQuestão Journal*. v. 27, n. 3, p. 401 – 430.

Nunes, F.R.E., Maculan, B., Almeida, M.B. Linguistic Support for mapping the verb meanings in Thesauri. Proceedings of the 30 Graduate Seminar. 2021, School of Information Science, UFMG.

Almeida, M.B. (2021). *Ontology in Information Science: Technology and Applications. Curitiba: CRV*, 314 p. Knowledge Representation in Information Science Collection: volume 2, ISBN:978-65-251-1477-4.

Emigdyo, J.L., Teixeira, L.M.D., Silva, C.M., Modesto, M.L., Almeida, M.B. (2021). Ontology-based Knowledge Organization: A Case Study on the Challenges of the Electrical Energy field. *Informação & Informação Journal*, v. 26, n. 2, p. 433 – 467.

Teixeira, L.M.D., Emigdyo, J.L., Modesto, M.L., Silva, C.M., Almeida, M.B. (2021). Expert Knowledge in the Electrical Energy Field: a Case Study on the Knowledge Acquisition for ontologies. *Encontros Biblio Journal*, v. 26, p. 01 – 28.

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