

# Itala M. Loffredo D'Ottaviano

## Curriculum Vitæ

Centre for Logic, Epistemology and the History of Science (CLE) and  
Department of Philosophy, Philosophy and Human Sciences Institute (IFCH)  
University of Campinas (UNICAMP)

For further information see  
<http://lattes.cnpq.br/7607464709853156>.

### 1 Personal data

**Citizenship:** Brazilian

**Personal Address:**

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**Professional Address:**

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### 2 Academic qualifications

- B.A. in Music (Piano), Carlos Gomes Music Conservatory, Brazil, 1960.
- Specialization in Music (Piano), Carlos Gomes Music Conservatory, Brazil, 1961–1962.
- Bachelor Degree in Mathematics, Pontifical Catholic University of Campinas (PUC-CAMPINAS), Campinas, São Paulo, Brazil, 1966.
- Master Degree in Mathematics, Institute of Mathematics, Statistics and Scientific Computation (IMECC), University of Campinas (UNICAMP), Campinas, 1974.

- Master Dissertation: *Fechos caracterizados por interpretações* [Closures characterized by interpretations, in Portuguese]. Advisor: Mário Tourasse Teixeira.
- PhD in Mathematics, IMECC, UNICAMP, Campinas, 1982.
  - PhD Thesis: *Sobre uma teoria de modelos trivalente* [On a three-valued model theory, in Portuguese]. Advisor: Newton Carneiro Affonso da Costa.
- Livre-Docente (equivalent to the German “Habilitation”) in Logic and the Foundations of Mathematics, IMECC, UNICAMP, Campinas, 1987.
- Full Professor of Logic and the Foundations of Mathematics, Department of Philosophy, Institute of Philosophy and the Humanities (IFCH), UNICAMP, Campinas, 1998.

### 3 Professional Positions

#### Current Position:

- Full Professor (Collaborator) of Logic and the Foundations of Mathematics, Department of Philosophy, Institute of Philosophy and the Humanities (IFCH), UNICAMP, Campinas, from the retirement in 2014.
- Researcher, Centre for Logic, Epistemology and the History of Science (CLE), UNICAMP, Campinas.
- Researcher of the Brazilian National Council of Scientific and Technological Development (CNPq), Brazil – Level 1A, the higher classification level in Brazil.
- Member of the Scientific Council of the Centre for Logic, Epistemology and the History of Science (CLE), UNICAMP, Campinas.
- Member (Coordinator) of the Group of Logic and Epistemology of the Department of Philosophy, UNICAMP, Campinas.
- Member of the Group of Theoretical and Applied Logic (GLTA) of the Centre for Logic, Epistemology and the History of Science (CLE), UNICAMP, Campinas.
- Academic Coordinator of the Research Group “Self-Organization, Systemics and Information”, Centre for Logic, Epistemology and the History of Science, since 1997.
- Academic Vice-Coordinator of the project “Formal Approaches to Philosophy of Religion and Analytic Theology”, sponsored by the John Templeton Foundation, since 2018.

#### Previous Positions:

- Experience in High School Mathematical Education.
- Assistant Professor at Pontifical Catholic University of Campinas (PUC-Campinas), 1967–1968.
- Assistant Professor, Department of Mathematics, Mathematics, Statistics and Computer Science Institute (IMECC), University of Campinas (UNICAMP), 1969–1987.
- Associate Professor, Department of Mathematics, Mathematics, Statistics and Computer Science Institute (IMECC), University of Campinas (UNICAMP), 1987–1993.
- Associate Professor, Department of Philosophy, Philosophy and Social Sciences Institute (IFCH), University of Campinas, 1993–1998.
- Full Professor of Logic and the Foundations of Mathematics, Department of Philosophy, Institute of Philosophy and the Humanities (IFCH), UNICAMP, Campinas, 1998–2014.

## **4 Main research areas**

- History and Philosophy of Science
- History and Philosophy of Logic
- Logic and the Foundations of Science
- Non-Classical Logics
- Paraconsistent Logic
- Algebraic Logic
- Universal Logic
- Theory of Self-Organization, Systemics and Information

## **5 Academic-administrative activities**

- Director of the Education Department, City of Campinas, Brazil, 1977 and 1978.
- Director of the Centre for Logic, Epistemology and the History of Science (CLE), UNICAMP, for four terms: 1986–1989, 1989–1992, and 2004–2009.
- Vice-Director of CLE, UNICAMP, 1992–1995.
- Head of the Coordination of Interdisciplinary Centers and Nuclei of Research (COCEN) of the University of Campinas, responsible for 21 Interdisciplinary Research Centers, for two terms: 1998–2002 and 2009–2013.
- Executive for Cooperative Agreements between UNICAMP and several Brazilian, American, and European institutions.
- Provost of Graduate Studies of the University of Campinas (UNICAMP), 2013–2014.

## **6 Languages proficiency**

- English
- French
- Italian
- Portuguese
- Spanish

## **7 Visiting positions**

- Research fellow (Post-doctoral position), Institute of Mathematics, University of California, Berkeley, USA, 1984–1985.
- Research fellow (Post-doctoral position), Institute for Applied Mathematics to the Social Sciences, Stanford University, USA, 1984–1985.
- Visiting researcher, Philosophy Department, Oxford University, England, 1988.
- Visiting professor, Istituto di Informatica, Università degli Studi di Torino, Italy, 1990.
- Invited speaker and visiting professor in several Brazilian, American, European, and Eastern universities.

## 8 Membership in scientific societies

### Current and former membership

- Sociedade Brasileira de Lógica [Brazilian Logic Society], founding member 1977
- Sociedade Brasileira de Ciência Cognitiva [Brazilian Cognitive Science Society]
- Sociedade Brasileira de Matemática [Brazilian Mathematical Society]
- Sociedade Brasileira de História da Ciência [Brazilian History of Science Society]
- Sociedade Brasileira de História da Matemática [Brazilian History of Mathematics Society]
- Association for Symbolic Logic
- American Mathematical Society
- Academia Mexicana de Lógica [Mexican Academy of Logic]

## 9 Editorial activities

- Member of the Editorial Board of *The Journal of Non-Classical Logic*, the first journal in the world in the area of non-classical logics, 1986–1991
- Member of the Editorial Board of *Coleção CLE*, since 1986
- Member of the Editorial Board of *The Journal of Applied Non-Classical Logics*, since 1992
- Member of the Editorial Board of *Ludus Vitalis – Journal of Philosophy of Life Sciences*, since 1995
- Member of the Editorial Board of *Revista Vivência*, 2003–2017
- Member of the Editorial Board of *Filogenese – Revista Eletrônica de Pesquisa na Graduação em Filosofia*, State University of São Paulo (UNESP), since 2008
- Member of the Editorial Board of *Trans/Formação*, since 2003
- Member of the Editorial Board of the *International Journal of Reasoning-based Intelligent Systems* (IJRIS), since 2010
- Member of the Editorial Board of *Philosophies*, since 2018
- Member of the Editorial Board of the *Russian Scientific Journal 'Philosophy, Methodology and History of Science'*, since 2017
- Editor of the *Boletim da Sociedade de Lógica*, 1984–1985 and 1993
- Editor of *The Journal of Non-Classical Logic*, 1989–1991
- Editor of several volumes organized as special issues of proceedings of Brazilian and international meetings
- Creator and Editor (since 1986) of *Coleção CLE*, a collection of books in the areas of logic, epistemology and history of science, published by the Centre for Logic, Epistemology and the History of Science of UNICAMP, with more than 85 published books
- Member of the Editorial Board of *Logica Universalis*, Springer/Birkhäuser, since 2018
- Member of the Editorial Committee of the *Collection Academia Brasileira de Filosofia*, College Publications, since 2019
- Member of the Editorial Board of the Editora FiloCzar, since 2021
- Member of the Editorial Board of the Editora UFABC, since 2021
- Member of the Honorary Editorial Board of the *Revista Mexicana de Lógica*, since 2021
- Member of the Programme Committee of *Edukacja Filozoficzna*, since 2021

- Member of the Advisory Board of *Distinctio: Journal of Intersubjective Studies*, since 2021

## 10 Other activities, honours, and awards

- Member (founding member, 1977) of the Centre for Logic, Epistemology and the History of Science (CLE) of the University of Campinas (Unicamp)
- Member and President of several academic boards
- Participant as invited teacher and keynote speaker, organizer and coordinator of several Brazilian and international scientific meetings, as for instance coordinator of the XI Brazilian Logic Conferences (1996), II World Congress on Paraconsistency (2000), XIII Brazilian Logic Conference / Event CLE 25 Years (2003), Event CLE 30 Years / XV Brazilian Logic Conference / XIV Latin-American Symposium on Mathematical Logic (2008), Event CLE/AIPS “Science, Truth and Consistency” (2009)
- Researcher of several interdisciplinary international research projects, as for instance the following projects, sponsored by the São Paulo Research Foundation (FAPESP): Translations between Logics (1995–1997); Consequence and Combinations of Logics (2005–2010); Interdisciplinarity and Academic Production: an Anthropological Valuation of the University of Campinas (2010–2011); Logical Consequence, Reasoning, and Computation (LogCons, 2010–2014).
- Researcher of several other interdisciplinary international projects, as for instance the Project “Mathematical Tools for the Management of Uncertain and Vague Information (MaToMUVI)”, under IRSES 2009, Program Marie Curie (Seventh Framework Programme), European Union (EU), with the participation of researchers from Argentina, Brazil, Italy and Spain (2011–2015); the Project “Intensionality as a Unifier: Logic, Language and Philosophy”, sponsored by the Agencia Estatal de Investigación [Research State Agency, in Spanish] of Spain and by the European Union (EU), involving researchers from Spain, Argentina, Brazil and Portugal (2018–2021); and the TransAtlantic Project “Big Data and the Explanation of Human Action: an Investigation from the Complex Systems Perspective”, with the participation of researchers from Argentina, Brazil and France, sponsored in Brazil by the São Paulo Research Foundation (FAPESP) (2017–2021).
- Author of several technical reports
- Referee and reviewer for several scientific journals
- *Ad hoc* advisor of universities and scientific and research support institutions of several American and European countries
- Executor of several academic agreements between Unicamp and other Brazilian and non-Brazilian institutions.
- Second Secretary, Secretary, Treasurer and Vice-President of the Sociedade Brasileira de Lógica [Brazilian Logic Society], from 1983
- President of the Committee on Logic in Latin America of the Association for Symbolic Logic, for two terms: 1995–1997 and 1997–2000
- President of the Sociedade Brasileira de Lógica [Brazilian Logic Society], for four terms: 1993–1996, 1996–1999, 1999–2003, and 2011–2014
- Special issue of *Manuscrito – International Journal of Philosophy: Logic and Philosophy of the Formal Sciences. A Festschrift for Itala M. Loffredo D’Ottaviano*. v. 28, n. 2, 2005
- The book *Um Prelúdio à Lógica* [A prelude to Logic, in Portuguese] by Hércules de Araújo Feitosa and Leonardo Paulovich, Editora UNESP, 2005, honoring Itala M. Loffredo D’Ottaviano
- Advisor and supervisor of more than fifty students of Scientific Initiation, Master Dissertation, PhD Thesis and Post-doctorate research projects

- Member of the Académie Internationale de Philosophie des Science (AIPS), elected in May 2011
- Premio Aristóteles en Ciencia e Investigación [Aristotle Prize in Science and Research], Academia de Ciencias y Humanidades del Instituto de Estudios Superiores de Estagira [Academy of Sciences of the Institute of Superior Studies of Stagira], Mexico, 2014
- Member of the Academia Brasileira de Filosofia [Brazilian Academy of Philosophy] (ABF), Chair 27 “José Bonifácio de Andrada e Silva”, elected in 2016
- Member of the Academic Council of the Académie Internationale de Philosophie des Science (AIPS), 2018–2021
- Member of the Research Center Professor Doctor Joaquim Veríssimo Serrão, Casa de Portugal e de Camões, Portugal, since 2017
- Prize ABEU 2018 [Brazilian Association of University Editorships], Category of Humanities. Prize winning book: *Para além das Colunas de Hércules, uma História da Paraconsistência* [Beyond the Columns of Hercules, a history of paraconsistency: from Heraclitus to Newton da Costa, in Portuguese], with Evandro Luís Gomes, 2018
- Prize Jabuti 2018 – the most relevant literary prize in Brazil – Finalist in the Category of Humanities. Prize finalist book: *Para além das Colunas de Hércules, uma História da Paraconsistência* [Beyond the Columns of Hercules, a history of paraconsistency: from Heraclitus to Newton da Costa, in Portuguese], with Evandro Luís Gomes, 2018
- Lecture “Itala Maria Loffredo D'Ottaviano”, created by the Sociedade Brasileira de Lógica [Brazilian Logic Society] to be a Special Session of the Brazilian Logic Conferences (EBL). Decision taken by the Assembly of Members of the Society, 2019
- Member of the *Institut International de Philosophie* (IIP), elected in November 2021

## 11 Main scientific publications

### 11.1 Papers, Book Chapters, and Book Forewords

- A medida do círculo: uma tradução do texto ΚΥΚΛΟΥ ΜΕΤΡΗΣΙΣ de Arquimedes [A measure of the circle: a translation of Arquimedes' text ΚΥΚΛΟΥ ΜΕΤΡΗΣΙΣ, in Portuguese]. *Brazilian Journal on the History of Mathematics*, 21(41): 1–13, 2021. (In collaboration with F. M. Bertato and G. L. Grudtner)
- Baptizing paraconsistent logics: the unique touch of Miró Quesada. *South American Journal of Logic: The Heterodox in Logic and Reason, a special issue dedicated to Francisco Miró Quesada* (L. F. Bartolo Alegre and J. C. Cifuentes, Invited Ed.), 6(2): 1–22, 2020. (In collaboration with E. L. Gomes)
- Gerland's *Dialectica* and Paraconsistency. *Edukacja Filozoficzna: dedicated to Józef Maria Bocheński*, 70: 143–170, 2020. (In collaboration with E. L. Gomes)
- Big Data: truth, quasi-truth or post truth? *Acta Scientiarum: Human and Social Sciences*, 42(3): 1–7, 2020. (In collaboration with R. P. Cavassane)
- Galois pairs with the modal operators of paraconsistent logic  $J_3$ . In: *A True Polymath: a tribute to Francisco Antonio Doria*. J. A. de Barros and D. Krause (Eds.), 143–167. London: College Publications, 2020. (In collaboration with H. A. Feitosa)
- Conceitos básicos da Teoria de Sistemas e Auto-organização [Basic concepts of the Theory of Systems and Self-Organization, in Portuguese]. In: *Arley Morenum Liber Amicorum – Homenagem a Arley Ramos Moreno in Memoriam*. C. T. Rodrigues (Ed.), 367–390. São Paulo: FiloCzar; Fundação Fausto Castilho, 2020.
- Big Data: implicações epistemológicas e éticas [Ethical and epistemological implications, in Portuguese]. Foreword. In: *Big Data: implicações epistemológicas e éticas* [Big Data: ethical and

- epistemological implications*, in Portuguese]. E. A. de Souza, M. C. Broens, and M. E. Quilici Gonzalez (Invited Eds.). Campinas: Coleção CLE, 89: 7–8, 2020.
- Learning the undecidable from networked systems. In: *Unravelling complexity: the life and work of Gregory Chaitin*. S. Wuppuluri and F. A. Doria (Eds.), 131–179. Singapore: World Scientific Publishing Co., 2020. (In collaboration with F. S. Abrahão, K. Ehmuth, F. A. Dória, and A. Ziviani)
  - A nice theorem of Monsieur Glivenko. In: *A Question is more Illuminating than an Answer. A Festschrift for Paolo A. S. Veloso*. E. H. Haeusler, L. C. Pinheiro Dias, and J. Petrucio Viana (Eds.). London: College Publications, Tributes Series, 44: 92–111, 2020. (In collaboration with E. L. Gomes)
  - Some interpretations of a logic of pragmatic truth. In: *Aventuras en el Mundo de la Lógica: Ensayos en honor a María Manzano*. A. Huertas, A. Moldovan, and E. Alonso (Eds.). London: College Publications, 2019. (In collaboration with H. A. Feitosa)
  - Operadores modais da lógica paraconsistente  $J_3$  como pares de Galois [Modal operators of the paraconsistent logic  $J_3$  as pairs of Galois, in Portuguese]. In: *Filosofia da linguagem, da lógica e analítica [Philosophy of language, of logic and analytics, in Portuguese]*. São Paulo: ANPOF, 84–93, 2019. (In collaboration with H. A. Feitosa)
  - Translations between logics: a survey. In: *The Proceedings of the 14th International Ludwig Wittgensteins Symposium: Philosophy of Logic and Mathematics, Kirchberg am Wechsel 2018*. G. Mars, P. Weingartner and B. Ritter (Eds.), 121–140. Berlin: De Gruyter, 2019. (In collaboration with H. A. Feitosa)
  - Implications and information: a quantitative-informational analysis of material implication. In: *Systems, self-organization, and information: an interdisciplinary perspective*. A. Pereira Jr., W. A. Pickering, and R. Gudwin (Eds.), 103–115. New York: Routledge, Taylor & Francis Group, 2018. (In collaboration with M. A. Alves)
  - Basic concepts of systemics. In: *Systems, self-organization, and information: an interdisciplinary perspective*. A. Pereira Jr., W. A. Pickering, and R. Gudwin (eds.), 47–63. New York: Routledge, Taylor & Francis Group, 2018. (In collaboration with E. Bresciani Filho)
  - Quality and Form in the philosophy of Charles Sanders Peirce. *Cognitio: Revista de Filosofia*, 20(2): 343–377, 2019. (In collaboration with A. A. Ferraz)
  - На заре *reductio ad absurdum* в ранней античной логике [The dawn of the *reductio* in the early Ancient logic, in Russian]. In: *Современная логика: Основания, предмет и перспективы развития*. Под ред. Д.В. Зайцева. Москва: ИД Форум [In: *Modern logic: its subject matter, foundations and prospects*. D. Zaitsev (Ed.), v. 1: 187–229. Moscow: Forum, 2018]. (In collaboration with E. L. Gomes)
  - Early apagogical inference forms: the rise of the *Reductio ad Absurdum* in the beginnings of ancient logic. In: *(Un-)Certainty and (In-)Exactness*. F. Bertato and G. Basti (Invited Eds.). Rome/Campinas: Aracne Editrice/Coleção CLE, 79: 141–178, 2018. (In collaboration with E. L. Gomes)
  - On informational ethics. In: *Sementes de pragmatismo na contemporaneidade: homenagem a Ivo Assad Ibri [Seeds of pragmatism in contemporaneity: an homage to Ivo Assad Ibri, in Portuguese]*. E. B. Guizzi et al. (Ed.), 309–336. São Paulo: FiloCzar, 2018. (In collaboration with J. A. de Moraes)
  - Paraconsistent modalities as a possible way of treating epistemic-doxastic paradoxes. In: *Logic, intelligence, and artifices: tribute to Tarcisio H. C. Pequeno*. J.-Y. Béziau, F. Ferreira, A. T. Martins, and M. Pequeno (Eds.), 1: 71–96. London: College Publications, 2018. (In collaboration with R. J. R. Silva Júnior)
  - Vasiliev’s ideas for non-aristotelian logics: insight towards paraconsistency. In: *The Logical Legacy of Nikolai Vasiliev and Modern Logic*. V. Markin and D. Zaitsev (Eds.), 387: 1–19. Heidelberg; New York: Springer, 2018. (In collaboration with E. L. Gomes)

- Provided you're not trivial: adding defaults and paraconsistency to a formal model of explanation. In: *Contradictions, from consistency to inconsistency*. W. A. Carnielli and J. Malinowski (Ed.), *Trends in Logic*, 47: 109–138, 2018. (In collaboration with D. Gaytan and R. Morado)
- I Soeitxawe: Congresso Internacional de Pesquisa Científica na Amazônia [I Soeitxawe: International Congress of Scientific Research in Amazonia]. Foreword, in collaboration with M. E. Quilici Gonzalez. In: *I Soeitxawe: Congresso Internacional de Pesquisa Científica na Amazônia*. C. M. Wanderley (Invited Ed.), e-book and printed. Campinas: Coleção CLE, 82: 7–13, 2017.
- Studies on da Costa's paraconsistent differential calculus: hyper-metric and hyperfunctions. *South American Journal of Logic*, 2: 319–332, 2016. (In collaboration with M. R. Soares)
- Apuntes para una historia de la lógica em Ibero-américa. In: *Enciclopedia Ibero-americana de Filosofía* (EIAF) – Filosofía ibero-americana del siglo XX, Filosofía teórica e historia de la filosofía. L. Olivé, O. Guarigha, and R. Mate (Eds.), 33(1): 101–170, 2015. (A. Aliseda and M. Manzano, collaborator)
- A quantitative-informational approach to logical consequence. In: *The road to universal logic – Festschrift for the 50th birthday of Jean-Yves Béziau*. A. Koslow and A. Buchsbaum (Eds.), 105–124. Switzerland: Springer, 2015. (In collaboration with M. A. Alves)
- Translations as representations between logics. In: *Representation and Explanation in the Sciences*. E. Agazzi (Ed.), 228–243. Milan: Franco Angeli, 2013.
- On Gödel's modal interpretation of intuitionistic logic. In: *Universal Logic: an anthology – From Paul Hertz to Dov Gabbay*. J.-Y. Béziau (Ed.), XVIII: 71–88. Springer, 2012. (In collaboration with H. A. Feitosa)
- Calculus infinitesimalis: uma teoria entre a razão e o mito? [Calculus infinitesimalis: a theory between reasoning and the myths, in Portuguese]. *Ciência & Educação*, 18(4): 981–996, 2012. (In collaboration with T. F. Carvalho)
- Medical equipment classification: method and decision-making support based on paraconsistent annotated logic. *Medical & Biological Engineering & Computing*, 50(4): 395–402, 2012. (In collaboration with N. F. Oshiyama, R. A. Bassani, J. W. M. Bassani)
- On the development of logic in Brazil II: initiatives in Brazil related to logic and Brazilian research groups dedicated to logic. *Brazilian Journal on the History of Mathematics*, 12(24): 1–19, 2012. (In collaboration with E. L. Gomes)
- Um panorama da teoria aristotélica do silogismo categórico [An outline of the Aristotelian theory of the categorical syllogism, in Portuguese]. *Revista Brasileira de Filosofia*, 238: 117–141, 2012. (In collaboration with E. L. Gomes)
- On the development of logic in Brazil I: the early logic studies and the path to contemporary logic. *Brazilian Journal on the History of Mathematics*, 11(22): 3–28, 2011–2012. (In collaboration with E. L. Gomes)
- Analytical tableaux for da Costa's paraconsistent predicate calculi  $C_n^*$ . In: *Logic without Frontiers: Festschrift for Walter Alexandre Carnielli on the occasion of his 60th birthday*. J.-Y. Béziau and M. E. Coniglio (Eds.), 1: 239–264. London: College Publications, 2011. (In collaboration with M. A. de Castro)
- Aristotle's theory of syllogism and paraconsistency. *Principia: International Journal of Epistemology*, 14: 71–97, 2010. (In collaboration with E. L. Gomes)
- On the theory of quasi-truth. In: *Series Special Issues of Epistemology: Relations between Natural Sciences and Human Sciences – Relations entre les Sciences Naturelles et les Sciences Humaines. Proceedings of the Meeting of the Académie Internationale de Philosophie des Sciences, Rovereto, Italy, September 15–18, 2008*. E. Agazzi and G. Di Bernardo (Eds.), 325–340. Genova: Tilgher-Genova, 2010.
- Paraconsistent logics and applications. In: *Fronteras de la Ciencia y Complejidad*. C. Maldonado (Ed.), 35–55. Bogotá: Universidad del Rosario, 2010.



- New dimensions on translations between logics. *Logica Universalis*, 3: 1–19, 2009. (In collaboration with W. A. Carnielli and M. E. Coniglio)
- XIV Latin-American Symposium on Mathematical Logic (SLALM) – General Report. *The Bulletin of Symbolic Logic*, 15(3): 332–376, 2009. (In collaboration with W. A. Carnielli and M. E. Coniglio)
- Cogito ergo sum non machina! Sobre o reconhecimento humano de verdades da aritmética e máquinas de Turing [Cogito ergo sum non machina! On the human recognition of truths of arithmetic and Turing machines, in Portuguese]. *Cognitio: Revista de Filosofia*, 10: 221–229, 2009. (In collaboration with R. P. Tassinari)
- Conceitos básicos de sistema dinâmico e térmico [Basic concepts of dynamic and thermal systems, in Portuguese]. In: *Auto-Organização: estudos interdisciplinares* [Self-Organization: interdisciplinary studies, in Portuguese]. E. Bresciani Filho, I. M. L. D’Ottaviano, M. E. Q. Gonzalez, and G. M. Souza (Invited Eds.). Campinas: *Coleção CLE*, 52: 19–32, 2008. (In collaboration with E. Bresciani Filho and L. F. Milanez)
- O logos da arte e a lógica da ciência [The logos of art and the logic of science, in Portuguese]. In: *A República dos Saberes: arte, ciência, universidade e outras fronteiras* [The Republic of knowledge: art, science, university and other frontiers, in Portuguese]. C. A. Leite Brandão (Org.), 155–165. Belo Horizonte: Editora UFMG, 2008.
- Analytical tableaux for da Costa’s paraconsistent logics. *CLE e-Prints* (Online), 8: 1–4, 2008. (In collaboration with M. A. Castro)
- Tarski’s relation algebra and the “Borner’s Operator”. *CLE e-Prints* (Online), 8: 21–40, 2008. (In collaboration with L. O. Suguitani)
- Luca Pacioli and the “Controversy of the Perspective”: the classification of the mathematics from the classical antiquity to the end of the quattrocento. *Brazilian Journal on the History of Mathematics*, 1: 505–525, 2007. (In collaboration with F. M. Bertato)
- Deductive systems and translations. In: *Perspectives on Universal Logic*. J.-Y. Béziau and A. Costa-Leite (Invited Eds.), 125–157. Milan: Polimetrica International Scientific Publisher, 2007. (In collaboration with H. A. Feitosa)
- Peircean pragmatic truth and da Costa’s quasi-truth. *Studies in Computational Intelligence*, 64: 383–398, 2007. (In collaboration with C. Hifume)
- Sobre teorias da verdade e a quase-verdade de da Costa [On the theories of truth and da Costa’s quasi-truth, in Portuguese]. In: *Encontro com as ciências cognitivas – Coleção Estudos Cognitivos* [Meeting with Cognitive Sciences – Cognitive Studies Collection, in Portuguese]. M. C. Broens, J. G. Coelho, and M. E. Q. Gonzalez (Invited Eds.), v. 5. São Paulo: Cultura Acadêmica, 2007. (In collaboration with C. Hifume)
- New dimensions on translations between logics. In: *2nd World Congress and School on Universal Logic, Xi’an, China, 2007 – UNIOLOG’07: Proceedings of the 2nd World Congress and School on Universal Logic*. J.-Y. Béziau (Ed.), 44–54. Xi’an: 2007. (In collaboration with W. A. Carnielli, M. E. Coniglio)
- Analytical tableaux for da Costa’s hierarchy of paraconsistent logics. *Electronic Notes in Theoretical Computer Science*, 143: 27–44, 2006. (In collaboration with M. A. Castro)
- Sobre Leibniz, Newton e infinitésimos, das origens do cálculo infinitesimal aos fundamentos do cálculo paraconsistente [On Leibniz, Newton and the infinitesimals, from the origins of the infinitesimal calculus to the foundations of the paraconsistent calculus, in Portuguese]. *Educação Matemática Pesquisa*, 8: 13–43, 2006. (In collaboration with T. F. Carvalho)
- Translations from Łukasiewicz logics into classical logic: is it possible? In: *Essays in Logic and Ontology*. J. Malinowski and A. Pietruszczak (Eds.), *Poznan Studies the Philosophy of the Sciences and the Humanities*, 91: 157–168, 2006. (In collaboration with H. A. Feitosa)

- Analytical tableaux for da Costa's hierarchy of paraconsistent logics  $C_n$ . In: *Logical approaches to paraconsistency*. P. Bernard and A. Herzig (Eds.), *Journal of Applied Non-Classical Logics*, 15(1): 69–103, 2005. (In collaboration with M. A. Castro)
- Da Costa's paraconsistent differential calculus and a transference theorem. *CLE e-Prints* (Online), 5: 1–20, 2005. (In collaboration with T. F. Carvalho)
- Analytical tableaux for da Costa's hierarchy of paraconsistent logics. In: *12th Workshop on Logic, Language, Information and Computacion (WoLLIC 2005)*, 25–45. Florianópolis, 2005.
- Operadores de consequência cumulativos e traduções entre lógicas cumulativas [Cumulative consequence operators and translations between cumulative logics, in Portuguese]. *Revista Eletrônica Informação e Cognição*, 4: 47–60, 2005. (In collaboration with M. C. Scheer)
- Sobre o infinitésimo e o cálculo diferencial paraconsistente de da Costa [On the infinitesimal and da Costa's paraconsistent differential calculus, in Portuguese]. *Revista Eletrônica Informação e Cognição*, 4: 78–102, 2005. (In collaboration with T. F. Carvalho)
- Da Costa's paraconsistent differential calculus and a transference theorem. In: *2nd Indian International Conference on Artificial Intelligence (II CAI 2005): Proceedings of the 2nd Indian International Conference on Artificial Intelligence*, v. 1. Pune: 2005. (In collaboration with T. F. Carvalho)
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