

Libros publicados:

1. (con Mischa Cotlar) “Nociones de Espacios Normados”, EUDEBA, Buenos Aires, Tomo I, 1967, Tomo II, 1971.
2. (con Mischa Cotlar) “An Introduction to Functional Analysis”, North-Holland Pub. Co. Amsterdam & London, American Elsevier, N.York, 1974.
3. (con I.M.L. D’Ottaviano y D. Mundici) “Álgebras das lógicas de Lukasiewicz”, Centro de Lógica, Epistemologia e História da Ciência, Universidade Estadual de Campinas, Campinas, São Paulo, 1994.
4. (con I.M.L. D’Ottaviano y D. Mundici) “Algebraic foundations of many-valued reasoning”, Kluwer Academic Publishers, Dordrecht, Boston, London, 2000.

Trabajos de investigación publicados:

1. Boolean elements in Lukasiewicz algebras, **Proc. Japan Acad.**, 41 (1965), 670-675.
2. (con A. Monteiro) Boolean elements in Lukasiewicz algebras. II, **Proc. Japan Acad.**, 41 (1965), 676-680.
3. Boolean multiplicative closures. I & II, **Proc. Japan Acad.**, 42 (1966), 1168-1174.
4. Moisil Algebras, **Notas de Lógica Matemática** N° 27, Instituto de Matemática, Universidad Nacional del Sur, Bahía Blanca, 1970.
5. A Hahn-Banach theorem for distributive lattices, **Revista de la Unión Matemática Argentina**, 25 (1971), 336-342.
6. Representation of Lukasiewicz and Post algebras by continuous functions, **Colloquium Mathematicum**, 24 (1972), 127-138.
7. Stone filters and ideals in distributive lattices, **Bull. Math. Soc. Scie. Math. R.P. Roumanie**, 15 (63) (1971), 131-137.
8. Topological representation of Lukasiewicz and Post algebras, **Notas de Lógica Matemática** N° 33, Instituto de Matemática, Universidad Nacional del Sur, Bahía Blanca, 1974.
9. Injective De Morgan and Kleene algebras, **Proc. Amer. Math. Soc.**, 47 (1975), 269-278.
10. Free n-valued Lukasiewicz algebras without involution, **Proc. 1975 International Symposium on Multiple-valued Logic** held at Indiana University. IEEE Computer Society, Long Beach, California, 1975, pp . 226-233.
11. The lattice of global sections of sheaves of chains over boolean spaces, **Algebra Universalis**, 8 (1978), 357-373.
12. Deductive systems and congruences in ortholattices. **Mathematical Logic: Proceedings of the First Brazilian Conference.** (A. I. Arruda, N. C. da Costa and R. Chuaqui, Editors). Lecture Notes in Pure and Applied Mathematics, Vol.39, M. Decker Inc., N. York, 1978, pp 57-72.
13. (con J. Hounie) Functions with arbitrary small periods, **American Mathematical Monthly**, 85 (1978), 582-584.
14. Coproducts in the categories of Kleene and three-valued Lukasiewicz algebras, **Studia Logica**, 28 (1979), 237-245.
15. (con M. S. de Gallego) The lattice structure of some Lukasiewicz algebras, **Algebra Universalis**, 13 (1981), 315-328.
16. Proper n-valued Lukasiewicz algebras as S-algebras of Lukasiewicz n-valued propositional calculi, **Studia Logica**, 41 (1982), 3-16.

- 17.(con M. S. de Gallego) Dualities for some De Morgan algebras with operators and Lukasiewicz algebras, **Journal of the Australian Math. Society**, Series A, 34 (1983), 377-393.
- 18.Conditional expectations and martingales in Banach function spaces, **Indagationes Mathematicae**, 45 (1983), 7-18.
- 19.An algebraic approach to elementary theories based on n-valued Lukasiewicz logics, **Zeitschrift für Mathematische Logik und Grundlagen der Mathematik**, 30 (1984), 87-96.
- 20.The class of Kleene algebras satisfying an interpolation property and Nelson algebras, **Algebra Universalis**, 23 (1986), 262-292.
- 21.(con M. E. Adams) A note on the axiomatization of equational subclasses of n-valued Lukasiewicz algebras, **Notre Dame Journal of Formal Logic**, 31 (1990), 304-307.
- 22.Quantifiers on distributive lattices, **Discrete Mathematics**, 96 (1991), 183-197.
- 23.Complete and atomic algebras of the infinite-valued Lukasiewicz logic, **Studia Logica**, 50 (1991), 375-384.
- 24.(con A.Di Nola y A.Lettieri) Priestley duality and quotient lattices of many-valued algebras, **Rendiconti del Circolo Matematico di Palermo**, Serie II, 40 (1991), 371-384.
- 25.(con S.LaFalce y A.Petrovich) Remarks on Priestley duality for distributive lattices, **Order**, 8 (1991), 299-315.
- 26.(con G.A. Elliot y D. Mundici) Reconstructing C*-algebras from their Murray von Neumann orders, **Advances in Mathematics**, 101 (1993), 166-179.
- 27.Distributive lattice congruences and Priestley spaces, **Actas del Primer Congreso "Dr. Antonio A.R. Monteiro"** (Ed. A. Germani, H. Cendra, E.L. Fernández Stacco), Universidad Nacional del Sur, Bahía Blanca, 1991, pp 81-84.
- 28.Free lattice-ordered abelian groups and varieties of MV-algebras, **Proceedings of the IX Latin American Symposium on Mathematical Logic** (Part 1), Notas de Lógica Matemática N° 38, Instituto de Matemática, Universidad Nacional del Sur, Bahía Blanca, 1993, pp. 113-118.
- 29.(con A. Torrens) Retractive MV-algebras, **Mathware & Soft Computing**, 2 (1995), 157-165.
- 30.Free Q-distributive lattices, **Studia Logica**, 56 (1996), 23- 29.
- 31.(con A. Torrens) Boolean products of MV-algebras. Hypernormal MV-algebras, **Journal of Mathematical Analysis and Applications**, 199 (1996), 637-653.
- 32.(con A. Torrens) The poset of prime l-ideals of an abelian l-group with a strong unit, **Journal of Algebra**, 184 (1996), 604-612.
- 33.(con D. Mundici) An elementary proof of Chang's completeness theorem for the infinite-valued calculus of Lukasiewicz, **Studia Logica**, 58 (1997), 79-97.
- 34.(con A. Torrens) Retractive MV-algebras, **Mathware & Soft Computing**, 2 (1995), 157-165.
- 35.(con A. Petrovich) On the minimum number of variables needed to characterize some subvarieties of a congruence distributive variety, **Notas de la Sociedad de Matemáticas de Chile**, 15 (1996), 1-6.
- 36.(con D. Gluschkof y F. Lucas) Prime spectra of lattice-ordered abelian groups. **Journal of Pure and Applied Algebra**, 136 (1999), 217-229.
- 37.(con M. Abad y R. P. Díaz Varela) K-Post algebras of order n, **Mathematica Japonica**, 48 (1998), 267-273.
- 38.(con A. Torrens) An algebraic analysis of product logic, **Multiple Valued Logic**, 5 (2000), 45-65.

39. n-Valued Connectives. **Information Technology. Proceedings Fourth International Symposium on Economic Informatics – May 1999**. (I. Smeureanu, I. Rosca, Editores), INFOREC Printing House, Bucharest, 1999, pp. 923-929.
40. (con E. Esteva, L. Godo y A. Torrens) Basic fuzzy logic is the logic of continuous t-norms and their residua, **Soft Computing**, 4 (2000), 106-112.
41. (con A. Torrens) Free cancellative hoops, **Algebra Universalis**, 43 (2000), 213-216.
42. (con A. Torrens) Free Stone algebras, **Discrete Mathematics**, 222 (2000), 251-257.
43. (con D. Mundici) Partial isomorphisms on totally ordered abelian groups and Hájek's completeness theorem for Basic Logic, **Multiple Valued Logic**, 6 (2001), 89-94.
44. (con X. Caicedo) An algebraic approach to intuitionistic connectives, **Journal of Symbolic Logic**, 66 (2001), 1620-1636.
45. (con A. Torrens) Free algebras in varieties of MV-algebras with a boolean retract, **Algebra Universalis**, 48 (2002), 55-79.
46. (con E. Esteva, L. Godo, F. Montagna) On a class of left-continuous t-norms, **Fuzzy Sets and Systems**, 131 (2002), 283-296.
47. (con A. Torrens) Hájek basic fuzzy logic and Łukasiewicz infinite-valued logic, **Archive for Mathematical Logic**, 42 (2003), 361-370.
48. (con E. Dubuc y D. Mundici) An MV-algebraic invariant for boolean algebras with a finite-orbit automorphism, **Tatra Mountain Mathematical Publications**, 27 (2003), 23-43.
49. (con E. Dubuc y D. Mundici) Extending Stone duality to multisets and locally finite MV-algebras, **Journal of Pure and Applied Algebra** 189 (2004), 37-59. 189 (2004), 37-59.
50. (con A. Torrens) Glivenko like theorems in natural expansions of BCK logic, **Mathematical Logic Quarterly**, 50 (2004), 111-125.
51. (con M. Busaniche) Free algebras in varieties of BL-algebras generated by a BL_n-chain, *Journal of the Australian Mathematical Society*, aceptado para publicación.
52. (con D. Mundici y M. Navara) Kleene-isomorphic σ -complete MV-algebras with product are isomorphic, **Journal of Multiple-Valued Logic and Soft Computing**, aceptado para publicación.

Trabajos de los que sólo se publicó el resumen:

- (con A. Monteiro) Construcción geométrica de las álgebras de Łukasiewicz libres, **Revista de la Unión Matemática Argentina**, 22 (1964-1965), 151-152.
- On Varlet's characterization of three-valued Łukasiewicz algebras, **Notices Amer. Math. Soc.**, 16 (1969), 661.
- Las álgebras de Łukasiewicz n-valentes propias cuando n-1 es primo, **Revista de la Unión Matemática Argentina**, 32 (1985), 122.
- Natural dualities for the algebras of Łukasiewicz finitely valued logics, **The Bulletin of Symbolic Logic**, 2 (1996), 218.

Textos de Conferencias:

- A note on the interpolation of some martingale spaces, **Atas do 7º Seminário Brasileiro de Análise**, Recife, Maio de 1978, pp 34-41.
- Some algebraic aspects of many-valued logics, **Proceedings of the Third Brazilian Conference on Mathematical Logic**, Soc. Brasileira de Lógica, São Paulo, 1980, pp 49-69.
- The algebras of Łukasiewicz many-valued logics, **Séminaire de Structures Algébriques Ordonnées 1992-1993** (Ed. F. Delon, M.A. Dickmann, D. Gondart), Équipe de Logique Mathématique, Université Paris VII, Paris, 1994, 18 pp.

4. Priestley duality and distributive lattices with operators, **Séminaire de Structures Algébriques Ordonnées 1993-1994** (Ed. F. Delon, M.A. Dickmann, D. Gondart), Équipe de Logique Mathématique, Université Paris VII, Paris, 1995, 13 pp.
5. Grupos abelianos reticulados libres, **Actas del Tercer Congreso “Dr. Antonio A. R. Monteiro”**, (Ed. E.L. Fernández Stacco, L. Monteiro y M. I. Plattzeck), Universidad Nacional del Sur, Bahía Blanca, 1996, pp. 139-143.
6. (con D. Mundici) An invitation to MV-algebras, **Advances in Algebra and Model-Theory**, (M. Droste and R. Goebel, eds.), Gordon and Breach Publishing Group, Readings, UK, 1997, pp.171-197.
7. Algebras of Product Logic, **Séminaire de Structures Algébriques Ordonnées 1997-1998** (Ed. F. Delon, M.A. Dickmann, D. Gondart), Équipe de Logique Mathématique, Université Paris VII, Paris, 1999, 14 pp.
8. Verdad y consecuencia en el segmento unitario real: Una formalización de la lógica borrosa, **Anales de la Academia Nacional de Ciencias Exactas, Físicas y Naturales de la República Argentina**, 52 (2000), 9-23.
9. (con A. Torrens) Standard completeness of Hájek Basic Logic and decompositions of BL-chains, **Soft Computing. Special issue on BL-algebras**, aceptado para publicación.