

## Publications

1. *The norm of a derivation*, **M.Sc.** Thesis, Math. Dept, Univ. of Newcastle upon Tyne, England, 1975.
2. *Representations of topological algebras and tensor products*, **Ph.D.** Thesis, Math. Dept, Univ. of Athens, Greece, 1978 (in Greek, English Summary).
3. *On a Bochner's type theorem in topological algebras*, Bull. Soc. Math. Grèce, 15(1974), 20–28.
4. *Integral representations of linear forms on topological algebras*, Comment. Math. Prace Mat. 21(1979), 43–53.
5. *Spaces of representations and enveloping l.m.c.  $*$ -algebras*, Pacific J. Math. 95(1981), 61–73.
6. *Abstract Bochner-Weil-Raikov theorem in topological algebras*, Bull. Austral. Math. Soc. 26(1982), 39–44.
7.  *$*$ -Semisimplicity of tensor product lmc  $*$ -algebras*, J. Math. Anal. Appl. 90(1982), 431–439.
8. *Representations of tensor product l.m.c.  $*$ -algebras*, Manuscr. Math. 42(1983), 115–145.
9. *Kadison's transitivity for locally  $C^*$ -algebras*, J. Math. Anal. Appl. 108(1985), 422–429.
10. *Symmetry and  $P$ -commutativity of topological  $*$ -algebras*, Period. Math. Hungar. 17(1986), 185–209.
11. *On locally  $W^*$ -algebras*, Yokohama Math. J. 39(1986), 35–51.
12. *On strong spectrally bounded lmc  $*$ -algebras*, Math. Nachr. 134(1987), 309–315.
13. *Symmetric topological  $*$ -algebras*, Period. Math. Hungar. 19(1988), 181–208.
14. *An introduction to the representation theory of topological  $*$ -algebras*, Schriftenreihe, Math. Inst., Univ. of Münster, 2. Serie, 48(1988), 1–81.
15. *Automatic continuity in Fréchet algebras*, Proceedings of the NATO Advanced Research Workshop on Advances in the Theory of Fréchet Spaces. Istanbul, August 15–19, 1988. (Editor T. Terzioglu) Kluwer Academic Publ. Dordrecht, 1989; pp. 265–268.
16. *Symmetric topological  $*$ -algebras, II*, Proceedings of the meeting “Trends in Functional Analysis and Approximation Theory”, Aquafredda di Maratea, September 10–15, 1989. Simultaneous publication in: Atti Sem. Mat. Fis. Univ. Modena, 29(1991), 279–288.
17. *Automatic continuity of  $*$ -morphisms between non-normed topological  $*$ -algebras*, Pacific J. Math. 147(1991), 57–69.
18. *Tensor products of locally  $C^*$ -algebras and applications*, Math. Nachr. 153(1991), 321–331.
19. *A characterization of maximal regular ideals in lmc algebras*, Studia Math. 103(1992), 41–49.
20. *Uniqueness of topology in LFQ-algebras*, Proceedings Amer. Math. Soc. 117(1993), 963–969.
21. *Symmetric topological  $*$ -algebras. Applications*, Schriftenreihe Math. Inst., Univ. of Münster, 3. Serie, 9(1993), 1–124.
22. (with H. Goldmann) *Commutative lmc algebras with discrete spectrum*, Rend. Circ. Mat. Palermo 46(1997), 371–389.
23. *Tensor products of enveloping locally  $C^*$ -algebras*, Schriftenreihe Math. Inst., Univ. of Münster, 3. Serie, 21(1997), 1–81.

24. (with A. Kyriazis) *On locally  $m$ -convex  $*$ - algebra bundles*, J. Math. Sciences, No 6, 95(1999), 2638–2647.
25.  *$Q$ -algebras: how close are they to Banach algebras? A survey*, Proc. of the “International Workshop on General Topological Algebras, Tartu, October 4–8, 1999, Estonian Math. Soc., Math. Studies 1, Tartu 2001, pp. 125–134.
26. *Structure of contractible locally  $C^*$ -algebras*, Proc. Amer. Math. Soc. 129(2001), 2889–2896.
27. (Editor together with P. Srtantzalos) *Topological Algebras with Applications to Differential Geometry and Mathematical Physics*, Proceedings of a fest-colloquium in honour of Professor A. Mallios. Athens, September 16–18, 1999. Publications of the University of Athens, Athens 2002.
28. *On Shirali-Ford theorem*, Proc. Int. Conf. on “Topological Algebras and Applications”, Rabat, Marocco, July 17–21, 2000. Ecole Normale Supérieur Publications, 2004, pp. 43–50.
29. *The Shirali-Ford theorem as a consequence of Pták theory for hermitian Banach algebras*, Studia Math. 150(2002), 121–132.
30. *Measure-theoretic characterizations of positive linear forms*, Proc. 3rd Int. Conf on “Topological Algebras and Applications”, Oulu 2–6 July, 2001; published by Acta Universitatis Ouluensis A 408(2004), 70–85.
31. *Topological Algebras with Involution*, **book**, North-Holland, Amsterdam, 2005.
32. (with S.J. Bhatt and A. Inoue), *Spectral well-behaved  $*$ -representations*, Banach Center Publications, 67(2005), 123–131.
33. *Structure space of tensor products of Fréchet  $*$ -algebras*, Note di Matematica 25(2005), 191–204 (invited paper).
34. (with S.J. Bhatt and A. Inoue), *Existence of well-behaved  $*$ -representations of locally convex  $*$ -algebras*, Math. Nachr. 279(2006), 86–100.
35. (with S.J. Bhatt and A. Inoue), *Existence of spectral well-behaved  $*$ -representations*, J. Math. Anal. Appl. 317(2006), 475–495.
36. (with F. Bagarello, A. Inoue and C. Trapani), *The completion of a  $C^*$ -algebra with a locally convex topology*, J. Operator Theory 56(2006), 101–120.
37. (with S.J. Bhatt, A. Inoue and D.J. Karia ), *Hermitian spectral theory, automatic continuity and locally convex  $*$ -algebras with a  $C^*$ -enveloping algebra*, J. Math. Anal. Appl. 331(2007), 69–90.
38. (with A. Inoue and K.-D. Kürsten), *On the completion of a  $C^*$ -normed algebra under a locally convex topology*, Contemp. Math. 427(2007), 155–166.
39. (with A. Inoue) *Unbounded  $*$ -representations of tensor product locally convex  $*$ -algebras induced by unbounded  $C^*$ -seminorms*, Studia Math. 183(2007), 259–271.
40. (with F. Bagarello, A. Inoue and C. Trapani), *Structure of locally convex quasi  $C^*$ -algebras*, J. Math. Soc. Japan 60(2008), 511–549.
41. (with A. Inoue and K.-D. Kürsten), *Old and new results on Allan’s  $GB^*$ -algebras*, Banach Center Publications 91(2010), 169–178.
42. (with M. Weigt and I. Zarakas), *Derivations of locally convex  $*$ -algebras*, Extracta Math. 26(2011), 45–60.
43. (with C. Trapani and S. Triolo), *Locally convex quasi  $*$ -algebras with sufficiently many  $*$ -representations*, J. Math. Anal. Appl. 388(2012), 1180–1193.
44. (with V. Nestoridis and I. Papadoperakis), *Some results on spherical approximation*,

- Bull. London Math. Soc. (6) 45(2013), 1171–1180.
- 45.** (with M.H. Papatriantafillou), *Smooth Manifolds vs Differential triads*, Revue Roumaine Math. Pures Appl. 59(2014), 2, 203–217.
- 46.** (with A. Inoue and M. Weigt), *Tensor products of unbounded operator algebras*, Rocky Mountain, J. Math. 44(2014), 3, 895–912.
- 47.** (with A. Inoue and M. Weigt), *Tensor products of  $GB^*$ -algebras*, J. Math. Anal. Appl. 420(2014), 1787–1802.
- 48.** (with A. Inoue and K.-D. Kürsten), *Crossed products of algebras of unbounded operators*, Banach J. Math. Anal. 9(2015), no. 4, 316–358.
- 49.** (with V. Nestoridis), *A note on rational approximation with respect to metrizable compactifications of the plane*, Extracta Math. 31(2016), no. 1, 109–117.
- 50.** (with C. Trapani), *Locally convex quasi  $*$ -algebras: an overview*, Proceedings of the XI-th International Conference on Topological Algebras and its Applications, Tallinn (Estonia), January 25–28, 2018. Estonian Math. Soc., Tartu 2018, pp. 121–136.
- 51.** *Topological algebras - geometry - physics; some interactions*, Proceedings of the 9th International Conference on Topological Algebras and its Applications. Holon (Israel), May 18–22, 2015. Editors: M. Abel, A.A. Katz, E. Yakubov. Academic Services, International Corp., Wilmington, DE, USA, 2020, pp. 47–58.
- 52.** (with C. Trapani), *Locally Convex Quasi  $*$ -Algebras and their Representations*, **book**, Lecture Notes in Mathematics series, 2257, Springer, 2020.
- 53.** (with M-S. Adamo), *Tensor products of normed and Banach quasi  $*$ -algebras*, J. Math. Anal. Appl. 490(2020), 1–27.
- 54.** *Mathematics in our life* (in Greek), Proceedings of the one day, online, Seminar on “Sciences in the 21st Century and their Applications in the Society”, February 2, 2021. Editor M. Papathanassiou. Publications of the National and Kapodistrian University of Athens, Athens, 2021, pp. 15–39.
- 55.** (with A. Inoue, M. Weigt and I. Zarakas), *Generalized  $B^*$ -algebras and Applications*, **book**, Lecture Notes in Mathematics series, 2298, Springer, 2022.