

Publications of Nicolae Popa

- Monographs and surveys

1- *Topological and bornological tensor products*
(romanian) - Ed. Academiei, Bucuresti, 1976. MR57 #17309,
iunie 1979, p. 2292, ref. N. Tita.

2- *Elements of theory of Banach spaces* (co-author C.
Niculescu) - Ed. Academiei, Bucuresti, 1981. MR82m #46010,
dec. 1982, p. 5185, ref. G. J.O. Jameson.

3- *Rearrangement invariant p -spaces of functions, $0 < p \leq 1$,*
I, (romanian) Series *Order structures in functional analysis* vol.
1, Ed. Academiei, Bucuresti, p. 209-283, 1986. MR87h
#46001, p.4261, august 1987.

4- *Rearrangement invariant p -spaces of functions, $0 < p \leq 1$,*
II (romanian) Series *Order structures in functional analysis*
vol. II, Ed. Academiei, p. 147-175, 1989. MR91c #46003,
martie 1991.

5- *Dyadic Hardy spaces generated by rearrangement invariant
space X : some topological vector-space properties* - Series
Order structures in functional analysis (romanian) vol. III, Ed.
Academiei, p. 164-214, 1992. MR94j #46001.

- Papers

1- *Injective objects in category of Archimedean spaces with
axial elements* - (romanian) St. si cerc. mat. 17, 1331-1333,
1965. MR34 #8156, dec. 1967, p. 1499, ref. V. Poenaru.

2- *Produits tensoriels ordonnés* - Rev. Roumaine Math. Pures et
Appl., 13, p. 236-246, 1968. MR37 #4560, p. 840-841, ref.
H.H. Schaefer.

3- *Quelques applications de la théorie des catégories dans la
théorie des distributions* - Rev. Roumaine Math. Pures et
Appl., 13, p. 671-682, 1968. MR42 #845, p. 151, iulie 1971.

4- *Les duals des espaces de Fréchet ordonnés* - Rev. Roumaine
Math. Pures et Appl., 14, p. 223-230, 1969. MR40 #696, ref.
G. Brown.

5-*Une condition suffisante pour que $E \otimes F$ soit un treillis localement-convexe* - C. R. Acad. Sci. Paris, 268, p.487-489, 1969. MR40 #693, iulie 1970, p.129, ref. G. Brown.

6-*Le produit tensoriel de deux (AL)-espaces* - C. R. Acad. Sci. Paris, 268, p.1261-1263, 1969. MR40 #694, iulie 1970, p. 129, ref. H.H. Schaefer.

7-*Un critère de nucléarité pour des treillis* - C.R. Acad. Sci. Paris, 269, p. 355-356, 1969. MR43 #874, ian. 1972, p.168, ref. D. Strauss.

8-*Sur les produits tensoriels ordonnés* - Math. Z., 110, p. 206-210, 1969. MR40 #695, p. 129, ref. H. H. Schaefer.

9-*Sur deux théorèmes de Grothendieck* - Rev. Roumaine Math. Pures et Appl., 14, p. 837-844, 1969. MR40 #7772, dec. 1970, ref. A. Wiweger.

10-*Sur le support des distributions* - Rev. Roumaine Math. Pures et Appl., 14, p.1055-1059, 1969. MR40 #6263, p.1144, noembrie 1970, ref. C. W. Swartz.

11-*Sur la propriété d'approximation et les applications nucléaires* - Rev. Roumaine Math. Pures et Appl., 14, p.1311-1322, 1969. MR41 #8965, p.1649, iunie 1971, ref. U. Schlotterbeck.

12-*Distributions fonctorielles définies par des fonctions* - Rev. Roumaine Math. Pures et Appl., 14, p.1609-1614, 1969. MR41 #4233, martie 1971, ref. H. Jarchow.

13-*Sur les espaces nucléaires ordonnés* - Rev. Roumaine Math. Pures et Appl., 15, p. 385-394, 1970. MR42 #6580, noembrie 1971, p. 1192, ref. U. Schlotterbeck.

14-*Topological ordered tensor products* - (romanian) St. si cercetari mat., 23, p. 201-286, 1971. MR49 #1062, p.185, ianuarie 1975, ref. R. Cristescu.

15-*Distributions fonctorielles et quelques applications* - Rev. Roumaine Math. Pures et Appl., 16, p.927-956, 1971. MR45 #889, ianuarie 1973, p.159, ref. H. Jarchow.

- 16-*Une formule de Künneth pour les cofaisceaux du type DFN* - Math. Ann., 192, p.144-154, 1971. MR44 #769, iulie 1972, p. 150, ref. H. Gonshor.
- 17-*Le théorème du graphe (b)-fermé* - C. R. Acad. Sci. Paris, 273, p.294-297, 1971. MR44 #5750, noiembrie 1972, p.1048, ref. K. Floret.
- 18-*Sur le support des fonctionnelles analytiques vectorielles et quelques applications* - Rev. Roumaine Math. Pures et Appl., 18, p.85-100, 1973. MR48 #4726, p.824, septembrie 1974, ref. P. Schapira.
- 19-*Sur le problème de Levi dans les espaces de Silva à base* - C. R. Acad. Sci. Paris, 277, p.211-214, 1973. MR51 #8464, p.1192, aprilie 1976, ref. J. Kajiwara.
- 20-*Sur certains questions d'espaces localement-convexes réticulés* - Rev. Roum. Math. Pures et Appl., 21, p. 57-61, 1976. MR53 #11334, mai 1977, p. 1588, ref. H. Hogbe Nlend.
- 21-*Quelques caractérisations opératorielle des L_p -espaces* - Arch. der Math., 27, p. 52-57, 1976. MR55 #8759, aprilie 1978, p. 1187, ref. J. R. Holub.
- 22-*Quelques remarques sur un produit tensoriel d'opérateurs* - Arch. der Math., 27, p. 199-205, 1976. MR53 #3754, februarie 1977, p. 528, ref. J.B. Prolla.
- 23-*Die Permanenzeigenschaften der Tensorprodukte von Banachverbänden* - Lecture Notes in Math. 743, p. 627-647, 1979. MR81b #46039, p.579, ref. R. J. Nagel.
- 24-*Sur les applications du type $\leq p$ et $\geq p$* - Rev. Roumaine Math. Pures et Appl., 23, p.445-462, 1978. MR58 #12276, septembrie 1979, ref. R. Cristescu.
- 25-*Opérateurs p -absolument sommables sur $L_1(\mu)$* - Arch. der Math., 30, p. 62-66, 1978. MR57 #13451, mai 1979, p. 1740, ref. A. Alexiewicz.
- 26-*Some ideals of operators on l_p* - Rev. Roumaine Math. Pures et Appl., 24, p. 1117-1127, 1979. MR82a #47045, ianuarie 1982, p. 185, ref. N. Tomczak-Jaegermann.

27-*Complemented sublattices in l_p , $0 < p < 1$ and an extension of Ando's theorem* - Arch. der Math., 32, p. 276-288, 1979. MR80f #46021, iunie 1980, ref. H. E. Lacey.

28-*On the complemented subspaces of l_p , $0 < p < 1$* - Rev. Roumaine Math. Pures et Appl., 26, p. 287-299, 1981. MR82f #46011, iunie 1982, p. 2499, ref. H. E. Lacey.

29-*Basic sequences and subspaces in Lorentz sequence spaces without local-convexity* - Trans. Amer. Math. Soc., 263, p. 431-456, 1981. MR82f #46012, p. 2499, ref. Bor Luh-Lin.

30-*Uniqueness of symmetric structure on $L_p(\mu)$, for $0 < p < 1$* - Rev. Roumaine Math. Pures et Appl., 27, p. 1061-1083, 1982. MR84g #46045, iulie 1984, ref. W. Lusky.

31-*Rearrangement invariant p -spaces on $(0,1)$, $0 < p < 1$, containing a complemented subspace isomorphic to l_2* - Rev. Roumaine Math. Pures et Appl., 28, p. 153-160, 1983. MR85a #46021, ianuarie 1985, p. 137, ref. G. Schechtman.

32-*Interpolation theorems for rearrangement invariant p -spaces of functions, for $0 < p < 1$ and some applications* - Suppl. Redinc. Circ. Mat. Palermo, Serie II, p. 199-216, 1982. MR85c #46028, martie 1985, p. 1001, ref. M. Milman.

33-*Primary Banach spaces, $0 < p < 1$* - Anal. Univ. Craiova, 10, p. 6-12, 1982.

34-*The primarity of a r.i. p -space of functions, $0 < p < 1$* - In Lecture Notes in Math. 991, p. 202-214, 1983. MR85d #46037, aprilie 1985, p. 1517, ref. Y. Abramovich.

35-*Symmetric p -normed spaces* - Suppl. Redinc. Circ. Mat. Palermo, Serie II, p. 209-217, 1984. MR85k #46005, noiembrie 1985, p. 4984, ref. B. Rosenberger.

36-*Integral and Carleman operators on Banach lattices* - Teubner Texte zur Math., 67, p. 203-211, 1984. MR85m #47037, decembrie 1985, p. 5479, ref. C. D. Aliprantis.

37-*Some new classes of perfect Banach lattices related to Carleman operators and their adjoints* - Constructive theory of functions, p. 684-690, Publ. House of Bulgarian Academy of Sci., Sofia, 1984.

38-*Almost regular and integral operators on p -function spaces, $0 < p < 1$* - Suppl. Redinc. Circ. mat. Palermo, Serie II, p. 95-108, 1984. MR86h #47046, august 1986, p. 3596, ref. Y. Abramovich.

39-*Primarity of some vector-valued function spaces* - Rev. Roumaine Math. Pures et Appl., 32, p.65-77, 1987. MR88g #46047, p.3585, iulie 1988, ref. Y. Benyamini.

40-*Duals of dyadic Hardy spaces generated by a rearrangement invariant function space X* - Rev. Roumaine Math. Pures et Appl., 33, p. 769-778, 1988. MR90c #46038, ref. A. Mekler.

41-*Isomorphism theorems for dyadic Hardy spaces generated by a rearrangement invariant space X on unit interval* - Rev. Roumaine Math. Pures et Appl., 35, p. 261-281, 1990. MR91m #46042, ref. A. Mekler.

42-A *Gamlen-Gaudet type theorem in the unconditional part of $L_{\infty}(0,1)$ with respect to the Haar system* - Rev. Roumaine Math. Pures Appl., 37, p. 763-778, 1992. MR94c #46059, ref. I. Ya. Novikov.

43-*Interpolation of Hardy-Lorentz spaces of functions and some applications* - Rev. Roumaine Math. Pures et Appl., 38, p. 687-696, 1993.

44-*Partie inconditionnelle des espaces de Banach; quelques exemples*, Séminaire Choquet d'initiation en analyse, 14 pages, années 1993-94.

45-*Dual spaces of dyadic Hardy spaces generated by a rearrangement invariant space X on $[0,1]$* , Ark. Mat., 36 (1998), 163-175.

46-*Unicity of the representation of dyadic Hardy spaces generated by a rearrangement invariant space X on $[0,1]$* , Function space (Poznan 1998), pp.445-458, Lecture Notes in Pure and Applied Mathematics, 213, Dekker, New-York, 2000.

47-*Dyadic Hardy spaces generated by a rearrangement invariant space X on $[0,1]$ are not isomorphic to any rearrangement invariant space Y on $[0,1]$* , Rev. Roumaine Math. Pures Appl. 44 (1999), no. 5-6, 819--844 (2000).

48-*Non-commutative BMO space*, Archiv der Math., 74(2000),111-114.

49-(co-authors: Barza, Sorina; Persson, Lars-Erik) *A matriceal analogue of Fejer's theory*, Math. Nachr. 260 (2003), 14--20.

50-(co-authors: Barza, Sorina; Kravvaritis, Dimitri) *Matriceal Lebesgue spaces and Hölder inequality*, J. Funct. Spaces Appl. 3 (2005), no. 3, 239--249.

51-(co-authors: Barza, Sorina; Lie, Victor) *Approximation of infinite matrices by matricial Haar polynomials*, Ark. Mat. 43 (2005), no. 2, 251--269.

52- L.G. Marcoci, L.E. Persson, I. Popa, N. Popa, A new characterization of Bergman Schatten spaces and a duality result , J. Math. Anal. Appl, 360 (2009),67-80.

53- N. Popa, Matriceal Bloch and Bergman-Schatten spaces, Rev. Roumaine Math. Pures Appl., 52 (2007), 459-478.

54- N. Popa A characterization of upper triangular trace class matrices, C. R. Acad. Sci. Paris, Ser. I 347 (2009), 59-62.

55- N. Popa, Schur multipliers between Banach spaces of matrices, Proceedings of the Sixth Congress of Romanian Mathematicians Bucharest, 2007, vol. 1, pp. 373-380

56- I. Popa, N. Popa Inequalities in matrix spaces, Math. Rep., 12(62) (2010), 169-180.