

CURRICULUM VITAE

1. Date personale:

- Data nasterii: 1 Decembrie 1948, Arges, România.
- Nationalitate: Româna.
- Casatorit, un copil.
- Adresa servici: Str. Academiei nr. 14, 010014 Bucuresti.
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2. Studii:

- 1966 - 1971: student al Facultatii de Matematica, Universitatea din Bucuresti. Lucrearea de licenta coordonata de Prof. Dr. Silviu Guiasu.
- 1971 – Licentiat în matematica, Facultatea de Matematica, Universitatea din Bucuresti.
- 1972 - 1977: Doctorand la Catedra de Probabilitati, Statistica si Cercetari Operationale a Facultatii de Matematica, Universitatea din Bucuresti. Îndrumator: Prof. Dr. Silviu Guiasu.
- 1977 – Doctor în matematica, Universitatea din Bucuresti. Titlul tezei de doctorat: “Contributii în teoria deciziilor statistice”.

3. Loc de munca: Universitatea din Bucuresti, Facultatea de Matematica si Informatica.

4. Domenii de interes:

- Statistica matematica,
- Teoria deciziilor,
- Optimizare,
- Cercetari operationale,
- Inegalitati variationale si teoria echilibrului,
- Convexitate generalizata,
- Teoria informatiei,
- Criptografie,
- Biostatistica,
- Asigurari de viata si de non - viata,
- Statistica în actuariat.

5. Activitatea profesionala:

- 1971 – 1978, Asistent, Facultatea de Matematica, Universitatea Bucuresti;
- 1978 – 1990, Lector, Facultatea de Matematica, Universitatea Bucuresti;
- 1990 – 1995, Conferentiar, Facultatea de Matematica, Universitatea Bucuresti;
- 1995 – pâna în prezent: Profesor, Facultatea de Matematica, Universitatea Bucuresti;
- Din 1996: **Conducator de doctorat în domeniile:** Optimizare, Statistica matematica, Teoria Informatiei, Matematica Actuariala, Inegalitati Variationale, la Facultatea de Matematica si Informatica, Universitatea Bucuresti (13 teze finalizate).

6. Experienta manageriala:

- 1990 – 2002: Secretar Stiintific, Facultatea de Matematica, Universitatea Bucuresti;
- 1996 – 2004: Decan Facultatea de Matematica, Universitatea Bucuresti;
- Membru în Consiliul Facultatii de Matematica si Informatica, UB (din 1990);
- Membru al Senatului UB (din 1996);
- Membru in Comisia Nationala de Avizare a Titlurilor, Diplomelor si Concursurilor Universitare (din 2004);
- Director al Societatii Romane de Studii Criptografice (din 2006);
- Director al Centrului de Cercetari Operationale al Universitatii din Bucuresti (din 2007);
- Evaluator ARACIS (din 2007).

7. Activitatea editoriala: Membru în comitetul editorial al revistelor:

- Analele Universitatii Bucuresti;
- Proceedings of Romanian Academy;
- Jurnalul Statistic;
- Advanced Modeling and Optimization (jurnal electronic international).

8. Membru al urmatoarelor asociatii profesionale:

- The Working Group on Generalized Convexity (WGGC);
- The European Working Group on Generalized Convexity and Monotonicity;
- Working Group on Continuous Optimization;
- Centrul de Cercetari Operationale al Universitatii din Bucuresti (director);
- Societatea Romana de Studii Criptografice (presedinte);

- Societatea Română de Probabilitati si Statistica;
- Societatea Română de Matematica.

9. Cursuri predate (selectie):

- Cercetari operationale,
- Optimizare,
- Statistica Matematica,
- Metode statistice în economie,
- Teoria deciziei,
- Inferenta Bayesiană si aplicatii,
- Inferenta secventială si aplicatii,
- Actuariat.

10. Specializare (inclusiv conferinte si participari la întruniri stiintifice):

- Belgia (Mons 1995, Brussels 1998);
- Bulgaria (Sofia 1979);
- Danemarca (Copenhaga 1998);
- Franta (Paris 1992, 1994, 1997, 1998, 1999, 2000, 2001, 2002, 2004, 2005, 2006,2007; Lille 1993, 1998, 2004; Strasbourg 1996; Montpellier 2001);
- Germania (Hagen 1995, Hamburg 1998);
- Grecia (Atena 1996, 1997; Salonic, 2002);
- Olanda (Delft 2002);
- Spania (Madrid 1998, Salamanca 2000);
- Cehia (Praga 2007);
- Elvetia (Zurich 2007).

11. Premii:

- Premiul I pentru Matematica Aplicata la “The Balkan Mathematics Competition of Young Researchers”, Belgrad, Jugoslavia, 1977;
- Premiul Gheorghe Lazar pentru Matematica, Academia Româna 1992.

12. Conferinte (selectie):

- Conferinta în domeniul Teoriei Probabilitatilor, Brasov, România, 1974, 1979, 1982;
- FRANCORO / Rencontres francophones de Recherche Operationelle , 1994, Mons, Belgique;
- XII International Conference on Multiple Criteria Decision Making, 1995, Hagen, Germany;
- Second International Conference in Multi-objective Programming and Goal Programming (MOPGP, 1996), 1996, Torremolinos, Spain;
- EURO XVI (the 16th European Conference on Operational Research), 1998, Brussels, Belgium;
- FGI 2001 - Franco - German - Italian Conference on Optimization, 2001, Montpellier, France;
- The 5-th Congress of Romanian Mathematicians, 2003, Pitesti, Romania;
- The 1st Conference of Operational Research and Applications, 2003, Constanta, Romania;
- The 7-th Balkan Conference on Operational Research, 2005, Constanta, Romania;
- The 8-th Symposium of Generalized Convexity and Monotonicity, 2005, Varese, Italia,;
- The 12-th International Conference on Economic Cybernetics, 2006, Bucuresti, Romania;
- The 6-th Congress of Romanian Mathematicians, 2007, Bucuresti, Romania;

- The 8-th Balkan Conference on Operational Research, 2007, Belgrad-Zlatibor, Serbia;
- EUROPT OMS Meetings (2nd Conference on Optimization Methods & Software and 6th EUROPT Workshop on Advances in Continuum Optimization), 2007, Praga, Cehia;
- EUROXXII 2007 (22nd European Conference on Operational Research), 2007, Praga, Cehia;
- ICIAM (6th International Congress on Industrial and Applied Mathematics), 2007, Zurich, Elvetia;
- Colloques Franco - Roumain de Mathematiques Appliques;
- Conferintele Societatii de Probabilitati si Statistica din România (anual).

13. Organizator al multor conferinte, seminarii, workshops (selectie):

- Conferinta Nationala a Societatii de Probabilitati si Statistica din România în 2000, 2001, 2002, 2003, 2004, 2005, 2006;
- The 5th Franco-Romanian Colloquium of Applied Mathematics, 2000;
- The 6th Franco-Romanian Colloquium of Applied Mathematics, 2002;
- The 1st Conference of Operational Research and Applications, 2003;
- Conferintele de Educatie Virtuala, Bucuresti, 2003, 2004, 2005;
- Seminarul International ASTIN, 2003, Bucuresti;
- The 5-th Congress of Romanian Mathematicians, 2003, Pitesti;
- The 7-th Balkan Conference on Operational Research, 2005, Constanta;
- The 6-th Congress of Romanian Mathematicians, 2007, Bucuresti;
- The 8-th Balkan Conference on Operational Research, 2007, Belgrad-Zlatibor.

14. Evaluator extern pentru articole în jurnale straine (selectie):

- Optimization;
- Journal of Optimization Theory and Applications;
- Journal of Mathematical Analysis and Applications;
- European Journal of Operations Research;
- Annals of Institute of Mathematical Statistics;
- Indian Journal of Pure & Applied Mathematics;
- Journal of Australian Mathematics;
- Journal of Global Optimization;
- Journal of Convex Analysis;
- Journal of Applied Mathematics.

15. Director pentru urmatoarele proiecte:

- Proiect CNCSIS C234. 1998-2001. Tema: **Metodostatistice si tehnici de optimizare în analiza modelelor de decizie**. Institutii participante: Universitatea din Bucuresti, Institutul de Statistica al Academiei Române, Academia de Studii Economice, Universitatea politehnica Bucuresti;
- Proiect CNFIS 229, 1998-2000. Tema: **Strategii de predare-invatare interactiva in domeniul stiintelor naturii si ingineriei mediului in Universitatea Bucuresti**. Institutii participante: Facultatea de Matematica si Informatica, Facultatea de Geografie, facultatea de Biologie, Facultatea de Geologie si Geofizica, Facultatea de Fizica;
- Proiect CNFIS 234, 2002, program tip C (responsabil subproiect), Tema: **Metode statistice si tehnici de optimizare în analiza modelelor decizionale**;
- Proiect ANSTI 6129/GR, 2000-2002, Tema: **O clasă de estimatori ortogonali pentru regresie prin inversa generalizată pe portiuni**;
- Proiect CNCSIS 7080, 2001-2003, Tema 21B, Tema: **Analiza "change-point" în**

cazul observatiilor perturbate de zgomot;

- Proiect CNCSIS 666 , 2001-2003, Tema 44A, Tema: **Analiza în componente principale pentru regresie logistica;**
- Proiect CNCSIS 866, 2005-2007, Tema 17 A, Tema: **Proceduri moderne de optimizare si analiza statistica cu aplicatii;**
- Proiect PN-II-ID-PCE-2007 tip IDEI, 2007-2010, Tema : **Aplicatii ale unor clase speciale de inegalitati variationale si probleme de echilibru in finante si nanoindentare.**

16. Membru pentru urmatoarele proiecte (selectie):

- **Metode pentru rezolvarea problemelor multiobiective simulare – optimizare,** 1997, contract 72/1007, CNCSU;
- **Metode noi pentru rezolvarea problemelor multiobiectiv,** 1997-1998, contract 3046GR, MCT;
- **Metode statistice si tehnici de optimizare în analiza modelelor decizionale,** 2002, cod CNFIS 234, program tip C;
- **Probleme de programare neliniara cu functii tip I si inegalitati variationale asociate,** 2007 – 2009, proiect CNCSIS tip A;
- **EUROMUNCA,** 2007-2010, Proiect PN-II-ID-PCE-2007 tip Parteneriat 4.

17. Publicatii:

- **7 carti** in domeniile: Cercetari Operationale, Statistica, Teoria Deciziilor, Teoria Informatiei, Criptanaliza.
- **Peste 100 de articole** în reviste stiintifice din tara si strainatate, peste 30 indexate ISI

18.Citari:

Peste 200 de citari in reviste romanesti si straine, peste 80 in reviste ISI:

- International Journal of Theoretical Physics,
- Annals of Institute of Mathematical Statistics,
- Optimization;
- Journal of Optimization Theory and Applications;
- European Journal of Operational Research;
- Computers and Mathematics with Applications;
- Journal of Global Optimization;
- Journal of Mathematical Analysis and Applications;
- Bulletin of the Australian Mathematical Society;
- Journal of Industrial and Management Optimization;
- Information Sciences;
- Journal of Multivariate Analysis;
- Journal of Computational Analysis and Applications;
- Taiwanese Journal of Mathematics;
- Numerical Functional Analysis and Applications;
- Nonlinear Analysis – Theory, Methods and Applications;
- Applied Mathematical Letters;
- Journal of Convex Analysis;
- Studies in Applied Mathematics;
- Mathematics of Operational Research;
- Indian Journal of Pure and Applied Mathematics;
- RAIRO – Operations Research;
- TEST;
- Lecture Notes in Economics and Mathematical Systems, Springer.

Lista lucrari:

Articole:

1. **Criterii iterate pentru problema de decizie secventiala I, Criteriul iterat minmax**, Stud. Cerc. Mat. 2 (1979), 227-244;
2. **Criterii iterate pentru problema de decizie secventiala II, Criteriul iterat Bayes in sens strict**, Stud. Cerc. Mat. 4 (1979), 453-462;
3. **Criterii iterate pentru problema de decizie secventiala III, Criteriul iterat Bayes in sens larg**, Stud. Cerc. Mat. 3 (1979), 337-346;
4. **On intrinsic convergence**, Anal. Universitatii Bucuresti, 1979, 85-90;
5. **Some intrinsic topologies associated to decision statistical functions**, in: Proc. of the Bulgarian Acad. Sciences, 1979;
6. **Completeness of the class of Bayes solutions in the Wald sense**, Bull. Math. 2 (1980), 189-194;
7. **Completeness of admissible solutions class**, Rev. Roum. Math. Pures Appl. 8 (1980), 1259-1266;
8. **Upon the completeness of widely Bayes solutions class**, Rev. Roum. Math. Pures Appl. 3 (1980), 235-255;
9. **Strict determinates of a statistical decision problem**, Rev. Roum. Math. Pures Appl. 3 (1980), 429-439;
10. **The convergence of weighted processes**, Ann. Univ. Buc., 1981, 56-64;
11. **Topologies associated to decision statistical functions**, Colloquium. Math. 45 (1981), 49-62;
12. **An entropic criterion for a nonparametric selection problem**, Rev. Roum. Math. Pures Appl. 3 (1981), 465-479;
13. **Weighted affinity of several probability distributions**, Ann. Univ. Buc., 1982, 62-76;
14. **Entropia ponderata si problema de selectie neparametrica**, Stud. Cerc. Mat. 2 (1982), 169-181;
15. **The Student distribution and the principle of maximum entropy**, Ann. Inst. Statist. Math. A, 34 (1982), 335-338;

16. **The binomial and negative binomial distributions and thermodynamics**, Bull. Acad. Pollon. Sci. 11-12 (1982), 569-573;
17. **Asupra unei probleme de selectie neparametrica**, Stud. Cerc. Mat. 3 (1983), 296-303;
18. **On weighted processes**, Rev. Roum. Math. Pures Appl.1983, 751-756;
19. **The generalised gamma distribution and the principle of maximum entropy**, Proc. of the Seventh Conf. Probab. Th. Brasov, 1984;
20. **Informational characterizing of Pareto and Power distributions**, Bull. Math., 1984, 77-80;
21. **Sur la distribution gamma et le principe du maximum de l'information**, Bull. Math.4 (1987), 355-360;
22. **Asupra unei clase de estimatori**, Lucrarile Colocviului de Teoria probabilitatilor si cercetari operationale, Craiova, 1987;
23. **A characterising by factorizing of gamma distribution**, Ann. Univ. Buc., 1987;
24. **On the estimation of location parameters**, Bull. Math.4 (1989), 357-362;
25. **Convex optimisation with nested maxima and matrix game equivalence**, Bull. Math. 1989, 57-62;
26. **The best e-unbiased predictor in location parameters**, Bull. Math.3 (1990);
27. **Characterisations of some statistical distributions**, Ann. Univ. Buc., 1990, 46-52;
28. **Optimality conditions for a class of mathematical programming problems**, Bull. Math. 4 (1990);
29. **On the Weibull distribution and the principle of maximum entropy**, Bull. Math. 1990;
30. **On duality and sufficiency in control problems with general invexity**, Bull. Math. 3-4 (1991), 271-280;
31. **On minmax programming problems containing n-set functions**, Optimization, 1991, 527-537;
32. **Generalized invexity for a class of programming problems**, Stud. Cerc. Mat.5-6 (1991), 305-316;

33. **On duality with generalized convexity**, Bull Unione Mat. Italiana A, 5 (1991), 291-305;
34. **On some sufficient optimality conditions in multiobjective differentiable programming**, Kibernetika, 1992;
35. **On efficiency and duality for multiobjective programmes**, J. Math. Analysis Appl. 1992, 365-377;
36. **On duality for a class of continuous programming problems with square root term**, Ann. Univ. Buc., 1992, 53-60;
37. **Sufficiency for quasiconvex programs**, Bull. Math. 1 (1992), 73-77;
38. **On the class of non-smooth non-convex programming problems**, Glasnik Matem. 27(47) (1992), 313-326;
39. **On generalized convexity and duality with a square root term**, Zeit. Oper. Res. 36 (1992), 547-563;
40. **Generalized invex duality for vector programmes**, Rev. Roum. Math. Pures Appl. 1993, 41-54;
41. **On Mond-Weir duality for variational problems**, Rev. Roum. Math. Pures Appl. 1993, 155-164;
42. **On second duality for a class of programming problems**, Bull. Math. 1, 1993;
43. **On duality for multiobjective fractional programs**, Stud. Cerc. Mat. 1993;
44. **On proper efficiency and duality for multiobjective programming problems**, Rev. Roum. Math. Pures Appl. 1993;
45. **Some optimality conditions for multiobjective programming problems with set functions**, Rev. Roum. Math. Pures Appl. 1993;
46. **On duality for variational problems with root term**, Stud. Cerc. Mat. 1993;
47. **On sufficiency and duality for generalized quasiconvex programs**, J. Math. Anal. Appl. 1 (1994);
48. **Nonlinear programming and matrix game equivalence**, J. Austral. Math. Soc. Ser. B 35 (1994), 429-438;
49. **On duality for multiobjective mathematical programming of n-set functions**, Preprint Univ. Pisa-Italiy, 1994;

50. **Optimality for semilocally preinvex functions**, Preprint Univ. Pisa-Italy, 1994 (cu I.M. Stancu-Minasian si A.Batatorescu);
51. **On duality for multiobjective fractional measurable subset selection programs**, J. Math. Anal. Appl. 196 (1995), 514-525;
52. **On programming with semilocally preinvex functions**, Rev. Roum. Math. Pures Appl.,1995;
53. **A mixed family of probability distributions**, Ann. Univ. Buc., 1995;
54. **A general family of probability distributions**, Publications de L'Institute de Statistique de l'Universite de Paris (cu G.Saporta), XXXIX(2), 1995, 71-93;
55. **Journal of Information and Optimization Sciences**, 1995 (cu I.M. Stancu-Minasian si A.Batatorescu);
56. **La dualite generalisee pour des problemes multicriteria fractionnaire pour n-ensemble fonctions**, Proceeding FRANCORO, 1995;
57. **La dualite pour multicriteria programmation avec des fonctions B-vex demilocales**, (cu I.M.Stancu-Minasian), Proceeding FRANCORO, 1995;
58. **A general Wolfe dual for a multiobjective mathematical programming of n-set functions**, Symp. Sept. Tiraspolense Gen Topologiae et Suae Applicationum, 1996;
59. **Optimality conditions and duality in multiple objective programming involving semilocally convex and related functions**, Optimization, 36(1996), 219-230;
60. **On programming with semilocally preinvex functions**, Rev. Roumaine Math. Pures et Appl. 41(3-4) (1996), 281-287. (cu A. Batatorescu);
61. **Dualitatea pentru programe cu mai multe functii obiectiv cu functii semilocal preinverse**, Ann. Univ. Buc.,1996 (cu I.M.Stancu-Minasian);
62. **Spatiul distributiilor de probabilitate-varietate riemania neeuclidiana**, Ann. Univ. Buc., 1996 (cu F.Bulacu);
63. **On Mond-Weir duality for multiobjective non-smooth programming**, In: Proc. of the second Int. Conf. in multiple objective programming and goal programming, Spania, 1996 (cu I.M.Stancu-Minasian);

64. **Duality multiple objective programming involving semilocally preinvex and related functions**, Glasnik Math. 32(52) (1997), 153-165 (cu I.M.Stancu-Minasian);
65. **Generalized Mond-Weir duality in multiobjective nonsmooth programming**, Lectures Notes in Economics and Mathematical Systems, 448, Springer Verlag, 1997, 55-63. (cu I.M.Stancu-Minasian);
66. **Some results for a general minmax programming problem**, Stud. Cerc. Mat., 1997;
67. **Expressions for the density of a linear combination of n independent random variables**, Rev. Roum. Math. Pures Appl., 1997;
68. **On optimality and duality in multiobjective nonsmooth programming**, In: Advances in Multiple Objective and Goal Programming. R. Caballero, F. Ruiz, R.E. Steuer (Eds), Lectures Notes in Economics and Mathematical Systems, 455, Springer-Verlag, 1997, 177-187;
69. **Autoregressive models with mixed double exponentially distributed noise**, Proc. Math. Meth. on Reliability, 1997, Bucharest, p.44-50 (cu D. Enachescu);
70. **Masuri divergenta in spatii de probabilitate bazate pe entropie**, Studii Cerc. Calc. Ec. Cib. Ec, 2(1998), 47-56;
71. **The Farlie-Gambel-Morgerstern family of probability distributions-solution of a minimization problem**, Ann. Univ.Buc., 1998 (cu F. Bulacu);
72. **The curvarure induced by a variable covariance**, Rev.Roum.Math.Pures et Appl.XLIII, 5-6(1998) (cu F.Bulacu);
73. **Duality for multiobjective fractional programming problems involving n-set functions**, In: C.Andreian Cazacu, O.Lehto, Th.M.Rassias (Eds.), Analysis and Topology.,569-584, 1998;
74. **Duality for multiobjective mathematical programming involving n-set functions**, Scripta Sci. Math., I(1999), 339-354;
75. **Pearson global indicator and the quantum mechanics of p-dimensional systems**, Intern. J. of Theor. Phys.,1999, 1469-1480 (cu F.Bulacu si M.Bulacu);

76. **On constraint qualifications in multiobjective optimization problems: semidifferentiable case**, J.Optim. Theory. and Appl., 100(2)(1999), 417-433 (cu I.Chitescu);
77. **Mond-Weir duality for multiobjective mathematical programming of n-set functions**, Rev. Roumaine Math. Pures Appl. 44(1999) 4, 629-644. (cu I.M. Stancu-Minasian);
78. **Reliability analysis of the stress-strength** , IEEE Proceeding, 2000, 29-32 (cu E.Simion, N.Constantinescu, M.Barboi);
79. **Correlated stochastic time series and cryptographic applications**, Ann. Univ. Buc., Seria Mat-Inf., 2000, 115-122. (cu E. Simion);
80. **Generalized Mond-Weir duality for multiobjective programming with generalized (F, ϕ, ψ) convex set functions**, Rev. Roum. Math. Pures Appl., 45, 1005-1018, 2000 (cu E.Koller);
81. **Generalized Mond-Weir duality for optimization of set-valued functions**, Math. Reports, 2(25) (2000), 199-206 (cu E.Koller);
82. **Duality for a nondifferentiable programming problem with a square root term**, Rev. Roum. Math. Pures Appl., 45(5) (2000), 873-882. (cu E.Koller);
83. **On duality minmax problems involving η -locally arcwise connected and related functions**, Ann. Univ. Buc., 2 (2000), 185-196. (cu C. Niculescu);
84. **Optimality conditions and duality for programming problems involving set and n-set functions – a survey**, J. of Statistics and Management Systems, 2000 (cu I.M. Stancu Minasian);
85. **Abordari ale conceptului de curbura in spatiul distributiilor statistice**, Studii si Cercetari de Calcul Economic si Cibernetica Economica, XXXIV, 2(2000), 57-60 (cu I.Sacuiu, F.Bulacu);
86. **Optimality and Wolfe duality for multiobjective programming problems involving n-set functions**, In: Generalized Convexity and Generalized Monotonicity, Nicolas Hadjisavvas, Juan Enrique Martinez Legaz, Jean-Paul Penot (Eds), Lectures Notes in Economics and Mathematical Systems 502, Springer Verlag, 349-361, 2001;

87. **Multiobjective programming problems involving generalized d-type-I and related n-set functions**, Proc.of Rom. Acad. Ser. A 2 (2001) 3, 77-81.(cu I.M.Stancu-Minasian si E.Koller);
88. **Optimality and Wolfe duality for d-type I functions**, Proc.of Rom. Acad., 2001 (cu I.M. Stancu Minasian);
89. **Some sufficient optimality conditions in multiobjective programming with generalized convexity**, Ann. Univ. Buc. Ser. Math-Inf. 51(1), 2002. (cu S. Gramatovici);
90. **Some statistical cryptanalytics techniques**, Ann. Univ. Buc. Ser. Math-Inf. 51(1) (2002) (cu E.Simion);
91. **On symmetric duality for multiobjective programming involving $(F,?,?)$ - invex functions**, Ann. Univ. Buc., Seria Math-Inf., 51(1) (2002), 159-166, (cu A. Batatorescu);
92. **Some sufficient optimality conditions in multiobjective programming with generalized convexity**, Ann. Univ. Buc. Ser. Math-Inf. 51(1) (2002).
93. **On duality for minimax generalized B-vex programming involving n-set functions**, Journal of Convex Analysis, 9(2) (2002), 609-623 (cu A. Batatorescu);
94. **On optimality and duality for multiobjective programming problems involving generalized d-type-I and related n-set functions**, J. Math. Anal. Appl. 283(2003), 114-128 (cu I.M.Stancu-Minasian si E.Koller);
95. **Optimality and duality in fractional multiple objective programming involving semilocally preinvex and related functions**, J. Math. Anal. Appl. 2003;
96. **On maxentropic reconstruction of countable Markov chains and matrix scaling problems**, Stud. Appl. Math. (M.I.T.) 111(1) (2003), 85-100 (cu C. Balcau);
97. **Optimality conditions and duality for programming problems involving set and n-set functions**, J. Inf. Manag. Sci., 23(1) (2003), 185-20;

98. **Generalized Mond-Weir duality for multiobjective mathematical programs with n-set functions**, Math. Reports, 5(55), 2 (2003), 141-159 (cu S. Mititelu);
99. **Duality for multiobjective mathematical programs with n-set functions**, Rev. Roum. Math. Pure Appl., 48(5-6) (2003) (cu S. Mititelu);
100. **Optimality conditions and duality for multiobjective programs involving a local arcwise connected functions**, Rev. Roum. Math. Pure Appl. 48(1) (2003), 61-81 (cu C. Niculescu);
101. **Optimality and duality for multiobjective programming involving n-set functions**, Revue Roum. Math. Pures Appliq. 49(3) (2004) (cu M. Beldiman);
102. **A predictor-corrector algorithm for multivalued general equilibrium problems**, Revue Roum. Math. Pures Appl. 49(5-6) (2004), 557-562 (cu M. Beldiman);
103. **Optimality and duality for multiobjective programming involving n-set functions**, Revue Roum. Math. Pures Appl. 50(3) (2005), 301-314 (cu M. Beldiman);
104. **Duality for minimum matrix norm problem**, Proc. of Rom. Acad. 6, 1(2005), 25-29 (cu C. Fulga);
105. **Optimality and duality for multiobjective programming with generalized V-type I univexit and related n-set functions**, Proc. of Rom. Acad. 6(3) (2005), 183-191, (cu M. Beldiman, I.M. Stancu Minasian si A. Stancu);
106. **On composite models: Weibull-Pareto and lognormal-Pareto. A comparative study**, Romanian Journal of Economic Forecasting, 2 (2006), 11-32 (cu R. Ciumara);
107. **Optimality conditions for a nondifferentiable multiobjective problem**, Revue Roum. Math. Pures Appl. 51(4) (2006), 485-496;
108. **Stochastic comparison of order statistics in two sample problems with double truncated exponential random variables**, Math. Reports 8(58), 4(2006), 453-458 (cu S. Sudradjat);

109. **On optimality conditions for multiobjective optimizations problems in topological vector spaces**, J. Math. Anal. Appl. 334, 1(2007), 123-131 (cu C. Fulga);
110. **On variational-like inequalities with generalized monotone mappings , Generalized Convexity and Related Fields**, In: I. V. Konnov, D. T. Luc, A. M. Rubinov (eds.), Lectures Notes in Economics and Mathematical Systems 583, 415-433, Springer, 2007 (cu M. Beldiman si A. Batatorescu);
111. **Some existence results for a class of relatively B-pseudomonotone variational inequalities over product of sets**, Proc. Rom. Acad. 1 (2007) (cu M. Beldiman);
112. **On higher order duality for multiobjective programming involving generalized $(F,?,?,b)$ -convexity**, Math. Reports 9(59), 2(2007), 161-174 (cu A. Batatorescu si M. Beldiman);
113. **On maxentropic reconstruction of a multiple Markov chains**, Bull. Math 50 (98), 4(2007), 295-304 (cu C. Balcau);
114. **Higher order symmetric multiobjective duality involving generalized $(F,?,?,b)$ -convexity**, Revue Roum. Math. Pures Appl., 2007 (cu A. Batatorescu si M. Beldiman);
115. **Nondifferentiable Minmax Fractional Programming with Square Root Terms**, Proceedings of the 7-th Balkan Conference on Operational Research, Bucuresti, 2007, 23-39 (cu A. Batatorescu si M. Beldiman);
116. **Maxentropic reconstruction of some probability distributions with linear inequality constraints**, Proceedings of the 7-th Balkan Conference on Operational Research, Bucuresti, 2007, 151-159 (cu C. Balcau);
117. **On a hyperboloid approximation procedure for a perturbed generalized Euclidean multifacility location problem**, Proceedings of the 7-th Balkan Conference on Operational Research, Bucuresti, 2007, 159-165 (cu C. Niculescu);
118. **Nonlinear programming with E-preinvex and local E-preinvex functions**, to appear in Europ. J. Op. Res., 2008 (cu C. Fulga);

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