

INFORMAȚII PERSONALE

Vasile PREDA

📍 Universitatea din București, Facultatea de Matematică și Informatică,
Academiei 14, Sector 1, București, România, 010014

Institutul de Statistică Matematică și Matematică Aplicată „Gheorghe Mihoc – Caius Iacob”
al Academiei Române

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EXPERIENȚA PROFESIONALĂ

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- | | |
|----------------|--|
| 2016 – prezent | Profesor universitar asociat
Universitatea din București, Facultatea de Matematică și Informatică
Tipul sau sectorul de activitate Învățământ superior și cercetare |
| 1995 – prezent | CS I
Institutul de Statistică Matematică și Matematică Aplicată „Gheorghe Mihoc – Caius Iacob” al
Academiei Române |
| 1995 – 2016 | Profesor universitar
Universitatea din București, Facultatea de Matematică și Informatică
Tipul sau sectorul de activitate Învățământ superior și cercetare |
| 2012 - 2016 | Membru CNATDCU
Consiliul Național de Atestare a Titlurilor, Diplomelor și Certificatelor Universitare
Tipul sau sectorul de activitate Atestarea titlurilor, diplomelor și certificatelor universitare |
| 1996 - prezent | Conducător de doctorat, Școala Doctorală de Matematică
Universitatea din București, Facultatea de Matematică și Informatică
Tipul sau sectorul de activitate Învățământ superior și cercetare |
| 1990 - 2015 | Membru în Consiliul Facultății de Matematică și Informatică
Universitatea din București, Facultatea de Matematică și Informatică
Tipul sau sectorul de activitate Învățământ superior |
| 1990 - 2012 | Membru în Senatul Universității din București
Universitatea din București
Tipul sau sectorul de activitate Învățământ superior |
| 1996 – 2004 | Decan al Facultății de Matematică, Universitatea din București
Universitatea din București, Facultatea de Matematică
Tipul sau sectorul de activitate Învățământ superior |
| 1990 - 1995 | Conferențiar universitar
Universitatea din București, Facultatea de Matematică
Tipul sau sectorul de activitate Învățământ superior și cercetare |
| 1991 - 1992 | Secretar științific
Universitatea din București, Facultatea de Matematică
Tipul sau sectorul de activitate Învățământ superior și cercetare |

1978 - 1990 **Lector universitar**
 Universitatea din București, Facultatea de Matematică
 Tipul sau sectorul de activitate Învățământ superior și cercetare

1971 - 1978 **Asistent universitar**
 Universitatea din București, Facultatea de Matematică
 Tipul sau sectorul de activitate Învățământ superior și cercetare

EDUCAȚIE ȘI FORMARE

- 1972-1977 **Diploma de Doctor în Matematică**
 Universitatea din București, Facultatea de Matematică
 ▪ Teza de doctorat: *Contribuții la teoria deciziilor statistice*
- 1966-1971 **Diploma de Licență în Matematică**
 Universitatea din București, Facultatea de Matematică

COMPETENTE PERSONALE

Limba maternă Româna

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	B2	C1	B2	B2	C1
Franceza	B2	C1	B2	B2	B2
Rusa	B2	C1	B2	B2	C1

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

Referințe <http://www.researcherid.com/rid/F-2724-2011>
<http://orcid.org/0000-0003-2115-3113>
<http://scholar.google.ro/citations?user=0hhZXZMAAAAJ&hl=ro>
https://www.researchgate.net/profile/Vasile_Preda

ACTIVITATE ȘTIINȚICĂ

Domenii de cercetare	Statistică, Teoria deciziei, Teoria informației, Cercetări operaționale, Inegalități variaționale, Teoria echilibrului, Statistică în actuariat, Convexitate generalizată, Biostatistică, Matematici financiare.
Publicații	6 monografii, peste 120 articole, peste 30 lucrări publicate în volumele unor conferințe internaționale.
Citări	Peste 1600 citări ale lucrărilor publicate, peste 500 citări în reviste cotate ISI.
Indicatori scientometrici	Hirsch Index conform Web of Science: 11 Hirsch Index conform Scopus: 11 Hirsch Index conform Google Academics: 20
Proiecte de cercetare	Peste 10 proiecte de cercetare
Conferințe	Peste 50 participări cu lucrări la conferințe internaționale
Premii pentru activitatea științică	Premiul I pentru Matematici Aplicate la Balkan Mathematics Competition of Young Researchers, Belgrad, Yugoslavia, 1977 Premiul Gheorghe Lazăr pentru Matematică, Academia Română, 1992 Premii din partea Consiliului Național al Cercetării Științifice, pentru rezultate semnificative publicate în reviste de prestigiu din fluxul științific principal internațional
Recenzor la reviste	Journal of Optimization Theory and Applications; Journal of Mathematical Analysis and Applications; Optimization; European Journal of Operations Research; Journal of Global Optimization; Annals of Institute of Mathematical Statistics; Journal of Australian Mathematics; Journal of Convex Analysis; Journal of Applied Mathematics; Journal on Control and Optimization; Optimization Letters; Journal of Inequalities and Applications; Indian Journal of Pure & Applied Mathematics; Mathematical & Computer Modelling; Applied Mathematics Letters.
Profesor invitat	Universite Paris 6, Conservatoire National des Arts et Metiers, Universite de Lille, Universidad Complutense de Madrid, Universidad de Salamanca
Activitate in comitete editoriale	Proceedings of The Romanian Academy Series A – Mathematics Physics Information Science; Annals of the University of Bucharest, Mathematical Series; Revue d'Analyse Numérique et de la Théorie d'Approximation; Advanced Modeling and Optimization; International Journal of Risk Theory; Scientific Bulletin, University Politehnica of Bucharest
Activitate în comitetul științific al conferințelor	International Conference of Mathematical and Computer Sciences ICMCS; XI-ème Colloque Franco-Roumain de Mathématiques Appliquées; 16th European Young Statisticians Meeting - EYSM 2009; Balkan Conference on Operational Research; Congress of Romanian Mathematicians; Conference on Applied and Industrial Mathematics; Conferința Societății de Probabilități și Statistică din România
Membru al organizațiilor profesionale	The Working Group on Generalized Convexity The Working Group on Continuous Optimization The European Working Group on Generalized Convexity and Monotonicity Societatea de Probabilități și Statistică din România Centrul de Cercetări Operaționale din Universitatea București Societatea Română de Criptografie
Membru în comisii de abilitare la universități din străinătate	Universite Lille 1, 2017
Membru în comisii de doctorat la universități din străinătate	University of Delphi, 2009

ANEXE

Lista de lucrări

 Prof. univ. dr. Vasile PREDA 

Anexa: LISTA DE LUCRĂRI
Monografii:

1. *Entropy optimization with applications*, Editura Academiei Române, București, 2010 (cu C. Balcau)
2. *Criptanaliza. Rezultate si tehnici matematice*, Editura Universității București, 2004 (cu E. Simion, A. Popescu)
3. *Teoria deciziilor statistice*, Editura Academiei Române, București, 1992
4. *Inferența statistică pentru medii condiționate*, Editura Universității București, 1992
5. *Vericarea normalității datelor*, Editura Universității București, 1981 (cu V.Craiu)
6. *Probleme de decizie multiplă*, Editura Universității București, 1980 (cu V.Craiu);

Articole în reviste ISI:

- 1) Sfetcu, R.C., Sfetcu, S.C., **Preda, V.** (2022) *On Tsallis and Kaniadakis Divergences*, *Mathematical Physics, Analysis and Geometry*, 25, 1, 1-23, 2022.
- 2) Hirică, I.E., Pripoae, C.L., Pripoae, G.T., **Preda, V.** (2022) *Weighted Relative Group Entropies and Associated Fisher Metrics*, *Entropy*, 24, 1, 120, 2022.
- 3) Hirică, I.E., Pripoae, C.L., Pripoae, G.T., **Preda, V.** (2022) *Conformal Control Tools for Statistical Manifolds and for γ -Manifolds*, *Mathematics*, 10, 7, 1061, 2022.
- 4) **Preda, V.**, Catana, L.I. (2021) *Tsallis Log-Scale-Location Models. Moments, Gini Index and Some Stochastic Orders*, *Mathematics*, 9, 11, Article Number: 1216, 2021.
- 5) Hirică, I.E., Pripoae, C.L., Pripoae, G.T., **Preda, V.** (2021) *Affine Differential Geometric Control Tools for Statistical Manifolds*, *Mathematics*, 9, 14, Article Number: 1654, 2021.
- 6) Catana, L.I., **Preda, V.** (2021) *Comparing the extremes order statistics between two random variables sequences using transmuted distributions*, *Communications in Statistics-Theory and Methods*, DOI10.1080/03610926.2021.1898641, 2021.
- 7) Sfetcu, R.C., Sfetcu, S.C., **Preda, V.** (2021) *Ordering Awad-Varma Entropy and Applications to Some Stochastic Models*, *Mathematics*, 9, 3, Article Number: 280, 2021.
- 8) Sheraz, M., **Preda, V.**, Dedu, S. (2020) *Non-extensive minimal entropy martingale measures and semi-Markov regime switching interest rate modeling*, *AIMS Mathematics*, 5, 1, 300-310, 2020.
- 9) Chițescu, I., **Preda, V.**, Sfetcu, R.C. (2020) *Polya-type best approximation of convex sets*, *Journal of Nonlinear and Convex Analysis*, 21, 3, 575-586, 2020.
- 10) Răboacă, M.S., Băncescu, I., **Preda, V.**, Bizon, N. (2020) *An Optimization Model for the Temporary Locations of Mobile Charging Stations*, *Mathematics*, 8, 3, Article Number: 453, 2020.
- 11) Băncescu, I., Chivu, L., **Preda, V.**, Puente-Ajovin, M, Ramos, A. (2019) *Comparisons of log-normal mixture and Pareto tails, GB2 or log-normal body of Romania's all cities size distribution*, *Physica A – Statistical Mechanics and Applications*, 526, 121017, 2019.
- 12) Barbu, V.Ș., Karagrigoriou, A., **Preda, V.** (2018) *Entropy and divergence rates for Markov chains: III. The Cressie and Read case and applications*, *Proceedings of the Romanian Academy Series A – Mathematics Physics Information Science*, 19, 3, 413-421, 2018.
- 13) Barbu, V.Ș., Karagrigoriou, A., **Preda, V.** (2018) *Entropy and divergence rates for Markov chains: II. The weighted case*, *Proceedings of the Romanian Academy Series A – Mathematics Physics Information Science*, 19, 1, 3-10, 2018.
- 14) Barbu, V.Ș., Karagrigoriou, A., **Preda, V.** (2017) *Entropy and divergence rates for Markov chains: I. The Alpha-Gamma and Beta-Gamma case*, *Proceedings of the Romanian Academy Series A – Mathematics Physics Information Science*, 18, 4, 293-301, 2017.

- 15) Preda, V., Dedu, S., Sheraz, M. (2016) *Second order entropy approach for risk models involving truncation and censoring*, Proceedings of the Romanian Academy, 17, 3, 195-202, 2016.
- 16) Sheraz, M., Preda, V. (2016) *Kurtosis in Black-Scholes model with GARCH volatility*, University Politehnica of Bucharest Scientific Bulletin – Series A – Applied Mathematics and Physics, 78, 1, 205-216, 2016.
- 17) Preda, V., Dedu, S., Gheorghe, C. (2015) *New classes of Lorenz curves by maximizing Tsallis entropy under mean and Gini equality and inequality constraints*, Physica A – Statistical Mechanics and its Applications, 436, 925-932, 2015.
- 18) Preda, V., Sheraz, M. (2015) *Risk-neutral densities in entropy theory of stock options using Lambert function and a new approach*, Proceedings of the Romanian Academy, 16, 1, 20-27, 2015.
- 19) Popescu, P.G., Slusanschi, E.I., Preda, V. (2015) *Towards a new bound for a matrix norm*, Carpathian Journal of Mathematics, 2, 255-260, 2015.
- 20) Sheraz, M., Dedu, S., Preda, V. (2015) *Entropy measures for assessing volatile markets*, Procedia Economics and Finance, 22, 655-662, Elsevier, 2015.
- 21) Preda, V., Dedu, S., Sheraz, M. (2014) *New measure selection for Hunt-Devolder semi-Markov regime switching interest rate models*, Physica A – Statistical Mechanics and its Applications, 407, 350-359, 2014.
- 22) Preda, V. (2014) *Interval-valued optimization problems involving (α, ρ) -right upper-Dini-derivative functions*, The Scientific World Journal, Volume 2014, Article ID 750910, 2014.
- 23) Popescu, P.G., Preda, V., Slusanschi, E.I., *Bounds for Jeffreys-Tsallis and Jensen-Shannon-Tsallis divergences*, Physica A – Statistical Mechanics and its Applications, 413, 280-283, 2014.
- 24) Sheraz, M., Preda, V. (2014) *Implied volatility in Black-Scholes model with GARCH volatility*, Procedia Economics and Finance, 8, 658-663, Elsevier, 2014.
- 25) Preda, V., Stanciu, D.E. (2013) *Upper semicontinuity of solution sets for a class of vector variational inequalities*, Proceedings of the Romanian Academy Series A-Mathematics Physics Technical Sciences Information Science 14, 3, 193-197, 2013.
- 26) Preda, V., Balcău, C., Niculescu, C. (2012) *On multiobjective fractional programming involving generalized D-type-I relative to buncions and related functions*, Mathematical Reports 14, 1, 95-106, 2012.
- 27) Preda, V., Mierlus-Mazilu, I. (2011) *Inferences for the exponentiated Weibull distribution based on record statistics*, Mathematical Reports, 13, 3, 289-315, 2011.
- 28) Preda, V., Stancu-Minasian, I. M., Beldiman, M., Stancu A.M. (2011) *On a general duality model in multiobjective fractional programming with n-set functions*, Mathematical and Computer Modelling, 54, 1-2, 490-496, 2011.
- 29) Preda, V., Stanciu, D.E. (2011) *New sufficient conditions for B-preinvexity and some extensions*, Proceedings of the Romanian Academy, 12, 3, 197-202, 2011.
- 30) Preda, V., Panaitescu, E., Ciumara, R. (2011) *The modified exponential-Poisson distribution*, Proceedings of the Romanian Academy, 12, 1, 22-29, 2011.
- 31) Preda, V., Balcau, C. (2009) *Convex quadratic programming with weighted entropic perturbation*, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie, 52, 1, 57-64, 2009.
- 32) Preda, V. (2009) *Duality for a class of continuous-time programming problems*, Proceedings of the Romanian Academy, 10, 3, 222-225, 2009.
- 33) Preda, V., Stancu-Minasian, I., Beldiman, M., Stancu A.M. (2009) *Generalized V-univexity type-I for multiobjective programming with n-set functions*, Journal of Global Optimization, 44, 1, 131-148, 2009.
- 34) Fulga, C., Preda, V. (2009) *Nonlinear programming with E-preinvex and local E-preinvex functions*, European Journal of Operational Research, 192, 3, 737-743, 2009.

- 35) Stancu-Minasian, I. M., **Preda, V.**, Beldiman, M., Stancu A.M. (2009) *On Zalmai's semiparametric duality model for multiobjective fractional programming with n -set functions*, Proceedings of the Romanian Academy, 10, 2, 133-138, 2009.
- 36) **Preda, V.** (2008) *Nondifferentiable mathematical programs. Optimality and higher-order duality results*, Proceedings of the Romanian Academy, 9, 3, 179-183, 2008.
- 37) **Preda, V.**, Beldiman, M. (2008) *A projection method for systems of generalized variational inequalities with μ -Lipschitz continuous mappings*, Mathematical Reports, 10, 1, 97-103, 2008.
- 38) **Preda, V.**, Ciumara, R. (2008) *Applications of some new inequalities for moments of order statistics and L -moments*, Proceedings of the 20th International Conference Euro Mini Conference Continuous Optimization and Knowledge-Based Technologies, Europt'2008, 311-316, 2008.
- 39) **Preda, V.**, Ciumara, R. (2008) *On insurer portfolio optimization. An underwriting risk model*, Romanian Journal of Economic Forecasting, 9, 1, 102-118, 2008.
- 40) **Preda, V.**, Beldiman, M., Baibarac, E. C. (2008) *Optimality conditions and higher-order duality for a nondifferentiable mathematical programming class*, Mathematical Reports, 10, 4, 375-384, 2008.
- 41) Batatorescu, A., Beldiman, M., **Preda, V.** (2008) *The construction of some classes of generalized V -univex type-I multiobjective problems*, 20th International Conference, Euro Mini Conference Continuous Optimization and Knowledge-Based Technologies, 217-222, 2008.
- 42) **Preda, V.**, Sudradjat, S. (2007) *Connections between different classes of solutions in multi-objective programming, with application to stochastic programming*, Proceedings of the Romanian Academy, 8, 3, 189-195, 2007.
- 43) Fulga, C., **Preda, V.** (2007) *On optimality conditions for multiobjective optimization problems in topological vector space*, Journal of Mathematical Analysis and Applications, 334, 1, 123-131, 2007.
- 44) Balcau, C., **Preda, V.** (2007) *On maxentropic reconstruction of multiple Markov chains*, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie, 50, 4, 295-304, 2007.
- 45) Beldiman, M., **Preda, V.** (2007) *Some existence results for a class of relatively B -pseudomonotone variational inequalities over product sets*, Proceedings of the Romanian Academy, 8, 1, 11-17, 2007.
- 46) **Preda, V.** (2003) *Optimality and duality in fractional multiple objective programming involving semilocally preinvex and related functions*, Journal of Mathematical Analysis and Applications, 288, 2, 365-382, 2003.
- 47) **Preda, V.**, Balcau, C. (2003) *On maxentropic reconstruction of countable Markov chains and matrix scaling problems*, Studies in Applied Mathematics, 111, 1, 85-100, 2003.
- 48) **Preda, V.**, Stancu-Minasian, I. M., Koller, E. (2003) *On optimality and duality for multiobjective programming problems involving generalized d -type-I and related n -set functions*, Journal of Mathematical Analysis and Applications, 283, 1, 114-128, 2003.
- 49) **Preda, V.**, Batatorescu, A. (2002) *On duality for minmax generalized B -vex programming involving n -set functions*, Journal of Convex Analysis, 9, 2, 609-623, 2002.
- 50) **Preda, V.**, Chitescu, I. (1999) *On constraint qualification in multiobjective optimization problems: Semidifferentiable case*, Journal of Optimization Theory and Applications, 100, 2, 417-433, 1999.
- 51) **Preda, V.**, Bulacu, F., Bulacu, M. (1999) *Pearson global indicator and the quantum mechanics of p -dimensional systems*, International Journal of Theoretical Physics, 38, 1999.
- 52) **Preda, V.** (1995) *On duality of multiobjective fractional measurable subset selection problems*, Journal of Mathematical Analysis and Applications, 196, 2, 514-525, 1995.
- 53) **Preda, V.** (1994) *On nonlinear-programming and matrix game equivalence*, Journal of the Australian Mathematical Society Series B - Applied Mathematics, 35, 429-438, 1994.
- 54) **Preda, V.** (1994) *On sufficiency and duality for generalized quasi-convex programs*, Journal of Mathematical Analysis and Applications, 181, 1, 77-88, 1994.

- 55) **Preda, V.** (1992) *On efficiency and duality for multiobjective programs*, Journal of Mathematical Analysis and Applications, 166, 2, 365-377, 1992.
- 56) **Preda, V.** (1992) *On some sufficient optimality conditions in multiobjective differentiable programming*, Kybernetika, 28, 4, 263-270, 1992.
- 57) **Preda, V.** (1991) *On duality with generalized convexity*, Bollettino Della Unione Matematica Italiana, 5A, 3, 291-305, 1991.
- 58) **Preda, V.** (1982) *The Student distribution and the principle of maximum-entropy*, Annals of the Institute of Statistical Mathematics, 34, 2, 335-338, 1982.

Articole indexate în baze de date internaționale (selectie):

- 1) Sudradjat, S., **Preda, V.**, Panaitescu, E. et al., *Bayesian estimations and predictions using record statistics from the modified Weibull model*, Applied Economics, Business and Development, 247-252, 2010.
- 2) **Preda, V.**, Ionescu, M.F., Chiroiu, V. et al., *A Preisach model for the analysis of the hysteretic phenomena*, Revue Roumaine Des Sciences Techniques Serie de Mechanique Appliquee 55, 3, 75-86, ISSN: 0035-4074, 2010.
- 3) **Preda, V.**, Bălcau, C., Niculescu, C., *Entropy optimization in phase determination with linear inequality constraints*, Revue Roumaine de Mathematiques Pures et Appliquees 55, 4, 327-340, 2010.
- 4) **Preda, V.**, Panaitescu, E., Constantinescu, A., *Bayes Estimators of Modified-Weibull Distribution Parameters using Lindley's Approximation*, WSEAS Transactions on Mathematics, 9, 7, 539-549, 2010.
- 5) **Preda, V.**, Panaitescu, E., Constantinescu, A., Sudradjat, S., *Estimations and Predictions using Record Statistics from the Modified Weibull Model*, WSEAS Transactions on Mathematics, 9, 6, 427- 437, 2010.
- 6) Beldiman, M., **Preda, V.**, *On pseudo linear programming problems and pseudo linear variational inequalities*, Research Trends in Mechanics, 3, Romanian Academy Publishing House, 2009.
- 7) **Preda, V.**, Sudradjat, S., *A portofolio selection problem with possibilistic approach*, Proceedings in Applied Mathematics and Mechanics, 7, 1, 2007.
- 8) **Preda, V.**, Balcau, C., *Maxentropic reconstruction of some probability distributions with linear inequality constraints*, Proceedings of the 7th Balcan Conference on Operational Research, 2007.
- 9) **Preda, V.**, Panaitescu, E., Ciomara, R., *L-moments evaluation for identically and nonidentically Weibull distributed random variables*, Proceedings of the Romanian Academy, 8, 3, 2007.
- 10) **Preda, V.**, Beldiman, M., Batatorescu, A., *On variational-like inequalities with generalized monotone mappings*, Igor V. Konnov, Dinh The Luc, Alexander M. Rubinov (eds.), Generalized Convexity and Related Fields. Lecture Notes in Economics and Mathematical Systems 583, Springer, 2006.
- 11) Ciomara, R., **Preda, V.**, *On composite models: Weibull-Pareto and lognormal-Pareto. A comparative study*, Romanian Journal of Economic Forecasting, 2, 11-32, 2006.
- 12) **Preda, V.**, *Optimality and Wolfe duality for multiobjective programming problems involving n-set functions*, In: Generalized Convexity and Generalized Monotonicity, 14; Nicolas Hadjisavvas, Juan Enrique Martinez Legaz, Jean-Paul Penot (Eds), Lectures Notes in Economics and Mathematical Systems 502, Springer Verlag, 349-361, 2001.
- 13) **Preda, V.**, *Duality for multiobjective mathematical programming involving n-set functions*, Scripta Sci. Math., I, 339-354, 1999.
- 14) **Preda, V.**, *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.
- 15) **Preda, V.**, Stancu-Minasian, I.M., *On duality for multiobjective mathematical programming of n-set functions*, Report no. 85, Pisa, Italy, 1994.

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